

## STN Columbus

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 1      Web Page URLs for STN Seminar Schedule - N. America
NEWS 2      "Ask CAS" for self-help around the clock
NEWS 3 OCT 23 The Derwent World Patents Index suite of databases on STN
              has been enhanced and reloaded
NEWS 4 OCT 30 CHEMLIST enhanced with new search and display field
NEWS 5 NOV 03 JAPIO enhanced with IPC 8 features and functionality
NEWS 6 NOV 10 CA/CAPLUS F-Term thesaurus enhanced
NEWS 7 NOV 10 STN Express with Discover! free maintenance release Version
              8.01c now available
NEWS 8 NOV 20 CA/CAPLUS to MARPAT accession number crossover limit increased
              to 50,000
NEWS 9 DEC 01 CAS REGISTRY updated with new ambiguity codes
NEWS 10 DEC 11 CAS REGISTRY chemical nomenclature enhanced
NEWS 11 DEC 14 WPIDS/WPINDEX/WPIX manual codes updated
NEWS 12 DEC 14 GBFULL and FRFULL enhanced with IPC 8 features and
              functionality
NEWS 13 DEC 18 CA/CAPLUS pre-1967 chemical substance index entries enhanced
              with preparation role
NEWS 14 DEC 18 CA/CAPLUS patent kind codes updated
NEWS 15 DEC 18 MARPAT to CA/CAPLUS accession number crossover limit increased
              to 50,000
NEWS 16 DEC 18 MEDLINE updated in preparation for 2007 reload
NEWS 17 DEC 27 CA/CAPLUS enhanced with more pre-1907 records
NEWS 18 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 19 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS 20 JAN 16 IPC version 2007.01 thesaurus available on STN
NEWS 21 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 22 JAN 22 CA/CAPLUS updated with revised CAS roles
NEWS 23 JAN 22 CA/CAPLUS enhanced with patent applications from India
NEWS 24 JAN 29 PHAR reloaded with new search and display fields
NEWS 25 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
              multiple databases
NEWS 26 FEB 13 CASREACT coverage to be extended
NEWS 27 Feb 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 28 Feb 15 RUSSIAPAT enhanced with pre-1994 records
NEWS 29 Feb 23 KOREAPAT enhanced with IPC 8 features and functionality

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS LOGIN   Welcome Banner and News Items
NEWS IPC8    For general information regarding STN implementation of IPC 8
NEWS X25     X.25 communication option no longer available
  
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Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 20:53:20 ON 23 FEB 2007

=> file reg  
 COST IN U.S. DOLLARS  
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 20:53:32 ON 23 FEB 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 22 FEB 2007 HIGHEST RN 922800-14-4  
DICTIONARY FILE UPDATES: 22 FEB 2007 HIGHEST RN 922800-14-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> e sorbic acid/cn

E1	1	SORBEX X/CN
E2	1	SORBFIL/CN
E3	1 -->	SORBIC ACID/CN
E4	1	SORBIC ACID 1,8-DIAZABICYCLO(5.4.0)UNDEC-7-ENE SALT/CN
E5	1	SORBIC ACID AMIDE/CN
E6	1	SORBIC ACID CHLORIDE/CN
E7	1	SORBIC ACID COPPER(2+) SALT (2:1)/CN
E8	1	SORBIC ACID DIGLYCERIDE/CN
E9	1	SORBIC ACID GLUCURONIDE/CN
E10	1	SORBIC ACID MONOGLYCERIDE/CN
E11	1	SORBIC ACID OZONIDE/CN
E12	1	SORBIC ACID POLYMER/CN

=> s e3

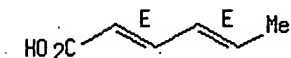
L1 1 "SORBIC ACID"/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 110-44-1 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 2,4-Hexadienoic acid, (2E,4E)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2,4-Hexadienoic acid, (E,E)-  
CN Sorbic acid (8CI)  
OTHER NAMES:  
CN (2E,4E)-2,4-Hexadienoic acid  
CN (E,E)-1,3-Pentadiene-1-carboxylic acid  
CN (E,E)-2,4-Hexadienoic acid  
CN  $\alpha$ -trans- $\gamma$ -trans-Sorbic acid  
CN 2E,4E-Hexadienoic acid  
CN E 200  
CN NSC 35405  
CN NSC 49103  
CN NSC 50268  
CN Panosorb  
CN Sorbistat  
CN trans,trans-2,4-Hexadienoic acid  
CN trans,trans-Sorbic acid  
AR 22500-92-1  
FS STEREOSEARCH  
DR 91751-55-2  
MF C6 H8 O2  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO,  
CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,

CHEMLIST, CHEMSAFE, CIN, CSChem, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDb, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5288 REFERENCES IN FILE CA (1907 TO DATE)  
 323 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 5301 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e iodopropynyl butyl carbamate/cn

E1	1	IODOPROPYLTRIMETHOXYSILANE/CN
E2	1	IODOPROPYNAL/CN
E3	0 -->	IODOPROPYNYL BUTYL CARBAMATE/CN
E4	1	IODOPROXIFAN/CN
E5	1	IODOPROXYFAN/CN
E6	1	IODOPSIN (CHICKEN CLONE 201 REDUCED)/CN
E7	1	IODOPSIN (CHICKEN CLONE NECO PROTEIN MOIETY REDUCED)/CN
E8	1	IODOPSINS/CN
E9	1	IODOPYRACET/CN
E10	1	IODOPYRACET COMPOUND SOLUTION/CN
E11	1	IODOPYRACET INJECTION/CN
E12	1	IODOPYRACET MEGLUMINE/CN

=> e iodopropynylbutyl carbamate/cn

E1	1	IODOPROPYLTRIMETHOXYSILANE/CN
E2	1	IODOPROPYNAL/CN
E3	0 -->	IODOPROPYNYL BUTYL CARBAMATE/CN
E4	1	IODOPROXIFAN/CN
E5	1	IODOPROXYFAN/CN
E6	1	IODOPSIN (CHICKEN CLONE 201 REDUCED)/CN
E7	1	IODOPSIN (CHICKEN CLONE NECO PROTEIN MOIETY REDUCED)/CN
E8	1	IODOPSINS/CN
E9	1	IODOPYRACET/CN
E10	1	IODOPYRACET COMPOUND SOLUTION/CN
E11	1	IODOPYRACET INJECTION/CN
E12	1	IODOPYRACET MEGLUMINE/CN

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.25

8.46

FILE 'MEDLINE' ENTERED AT 20:55:15 ON 23 FEB 2007

FILE LAST UPDATED: 22 Feb 2007 (20070222/UP). FILE COVERS 1950 TO DATE.

All regular MEDLINE updates from November 15 to December 16 have been added to MEDLINE, along with 2007 Medical Subject Headings (MeSH(R)) and 2007 tree numbers.

The annual reload will be available in early 2007.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 20:53:20 ON 23 FEB 2007)

FILE 'REGISTRY' ENTERED AT 20:53:32 ON 23 FEB 2007

L1           E SORBIC ACID/CN  
          1 S E3  
          E IODOPROPYNYL BUTYL CARBAMATE/CN  
          E IODOPROPYNYLBUTYL CARBAMATE/CN

FILE 'MEDLINE' ENTERED AT 20:55:15 ON 23 FEB 2007

=> s l1

L2           571 L1

=> s (bactericid? or antibacter? or antimicro? or microb?)

          18517 BACTERICID?  
          25449 ANTIBACTER?  
          50295 ANTIMICRO?  
          558120 MICROB?

L3           600950 (BACTERICID? OR ANTIBACTER? OR ANTIMICRO? OR MICROB?)

=> s l2 and l3

L4           127 L2 AND L3

=> d 1-127

L4   ANSWER 1 OF 127       MEDLINE on STN

Full Text

AN   2006601915       MEDLINE  
DN   PubMed ID: 16935988  
TI   The key role of chlorocatechol 1,2-dioxygenase in phytoremoval and  
      degradation of catechol by transgenic Arabidopsis.  
AU   Liao Yang; Zhou Xiao; Yu Jin; Cao Yajun; Li Xian; Kuai Benke  
CS   State Key Laboratory of Genetic Engineering, Department of Biochemistry,  
      School of Life Sciences, Fudan University, Shanghai 200433, China.  
SO   Plant physiology, (2006 Oct) Vol. 142, No. 2, pp. 620-8. Electronic  
      Publication: 2006-08-25.  
      Journal code: 0401224. ISSN: 0032-0889.  
CY   United States  
DT   Journal; Article; (JOURNAL ARTICLE)  
      (RESEARCH SUPPORT, NON-U.S. GOV'T)  
LA   English  
FS   Priority Journals  
OS   REFSEQ-NC\_005912  
EM   200701  
ED   Entered STN: 13 Oct 2006  
      Last Updated on STN: 20 Jan 2007  
      Entered Medline: 19 Jan 2007

L4   ANSWER 2 OF 127       MEDLINE on STN

Full Text

AN   2006371631       MEDLINE  
DN   PubMed ID: 16786857  
TI   Microbial evolution during storage of seasoned olives prepared with  
      organic acids with potassium sorbate, sodium benzoate, and ozone used as  
      preservatives.  
AU   Arroyo Lopez F N; Duran Quintana M C; Garrido Fernandez A  
CS   Department of Food Biotechnology, Instituto de la Grasa, Seville, Spain..  
      fnarrovo@cica.es  
SO   Journal of food protection, (2006 Jun) Vol. 69, No. 6, pp. 1354-64.  
      Journal code: 7703944. ISSN: 0362-028X.  
CY   United States  
DT   Journal; Article; (JOURNAL ARTICLE)  
LA   English  
FS   Priority Journals  
EM   200607  
ED   Entered STN: 22 Jun 2006  
      Last Updated on STN: 25 Jul 2006  
      Entered Medline: 24 Jul 2006

L4   ANSWER 3 OF 127       MEDLINE on STN

Full Text

AN   2006163732       MEDLINE  
DN   PubMed ID: 16544288

TI New tools for phenotypic analysis in *Candida albicans*: the WAR1 gene confers resistance to sorbate.  
 AU Lebel Karine; MacPherson Sarah; Turcotte Bernard  
 CS Department of Medicine, Royal Victoria Hospital, McGill University, 687 Pine Avenue West, Montreal, Quebec, Canada H3A 1A1.  
 SO Yeast (Chichester, England), (2006 Mar) Vol. 23, No. 4, pp. 249-59.  
 Journal code: 8607637. ISSN: 0749-503X.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200605  
 ED Entered STN: 23 Mar 2006  
 Last Updated on STN: 12 May 2006  
 Entered Medline: 11 May 2006

L4 ANSWER 4 OF 127 MEDLINE on STN  
Full Text  
 AN 2005619079 MEDLINE  
 DN PubMed ID: 16300069  
 TI Application of predictive models to estimate *Listeria monocytogenes* growth on frankfurters treated with organic acid salts.  
 AU Lu Zheng; Sebranek Joseph G; Dickson James S; Mendonca Aubrey F; Bailey Theodore B  
 CS Department of Animal Science, Iowa State University, Ames, Iowa 50011-3150, USA.  
 SO Journal of food protection, (2005 Nov) Vol. 68, No. 11, pp. 2326-32.  
 Journal code: 7703944. ISSN: 0362-028X.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200512  
 ED Entered STN: 23 Nov 2005  
 Last Updated on STN: 20 Dec 2005  
 Entered Medline: 15 Dec 2005

L4 ANSWER 5 OF 127 MEDLINE on STN  
Full Text  
 AN 2005576401 MEDLINE  
 DN PubMed ID: 16253799  
 TI Potassium sorbate reduces gastric colonization in patients receiving mechanical ventilation.  
 AU Tulaimat Aiman; Tulamait Aiman; Laghi Franco; Mikrut Kathleen; Carey Roberta B; Budinger G R Scott  
 CS The Division of Pulmonary and Critical Care Medicine, Loyola University, Stritch School of Medicine, Chicago, IL 60611, USA.  
 SO Journal of critical care, (2005 Sep) Vol. 20, No. 3, pp. 281-7.  
 Journal code: 8610642. ISSN: 0883-9441.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 (RANDOMIZED CONTROLLED TRIAL)  
 (CLINICAL TRIAL)  
 LA English  
 FS Priority Journals  
 EM 200602  
 ED Entered STN: 29 Oct 2005  
 Last Updated on STN: 2 Feb 2006  
 Entered Medline: 1 Feb 2006

L4 ANSWER 6 OF 127 MEDLINE on STN  
Full Text  
 AN 2005359577 MEDLINE  
 DN PubMed ID: 16013374  
 TI Combined efficacy of nisin and pediocin with sodium lactate, citric acid, phytic acid, and potassium sorbate and EDTA in reducing the *Listeria monocytogenes* population of inoculated fresh-cut produce.  
 AU Bari M L; Ukuku D O; Kawasaki T; Inatsu Y; Isshiki K; Kawamoto S  
 CS National Food Research Institute, Food Hygiene Team, Kannondai-2-1-12, Tsukuba 305-8642, Japan.  
 SO Journal of food protection, (2005 Jul) Vol. 68, No. 7, pp. 1381-7.  
 Journal code: 7703944. ISSN: 0362-028X.

CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200509  
ED Entered STN: 15 Jul 2005  
Last Updated on STN: 7 Sep 2005  
Entered Medline: 6 Sep 2005

L4 ANSWER 7 OF 127 MEDLINE on STN

Full Text

AN 2005321428 MEDLINE  
DN PubMed ID: 15969509  
TI Kinetic study of the physicochemical and microbiological changes in "seasoned" olives during the shelf-life period.  
AU Lopez Francisco Noe Arroyo; Romero Concepcion; Del Carmen Duran Quintana Maria; Lopez Antonio Lopez; Garcia Pedro Garcia; Fernandez Antonio Garrido  
CS Food Biotechnology Department, Instituto de la Grasa (CSIC), Seville, Spain.  
SO Journal of agricultural and food chemistry, (2005 Jun 29) Vol. 53, No. 13, pp. 5285-92.  
Journal code: 0374755. ISSN: 0021-8561.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200508  
ED Entered STN: 23 Jun 2005  
Last Updated on STN: 16 Aug 2005  
Entered Medline: 15 Aug 2005

L4 ANSWER 8 OF 127 MEDLINE on STN

Full Text

AN 2005263344 MEDLINE  
DN PubMed ID: 15905443  
TI The effects of various antifungal additives on the fermentation and aerobic stability of corn silage.  
AU Kleinschmit D H; Schmidt R J; Kung L Jr  
CS Department of Animal and Food Sciences, University of Delaware, Newark, 19717, USA.  
SO Journal of dairy science, (2005 Jun) Vol. 88, No. 6, pp. 2130-9.  
Journal code: 2985126R. E-ISSN: 1525-3198.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200602  
ED Entered STN: 21 May 2005  
Last Updated on STN: 18 Feb 2006  
Entered Medline: 17 Feb 2006

L4 ANSWER 9 OF 127 MEDLINE on STN

Full Text

AN 2005228675 MEDLINE  
DN PubMed ID: 15862879  
TI An attempt to optimize potassium sorbate use to preserve low pH (4.5-5.5) intermediate moisture bakery products by modelling Eurotium spp., Aspergillus spp. and Penicillium corylophilum growth.  
AU Guynot M Elena; Marin Sonia; Sanchis Vicente; Ramos Antonio J  
CS Food Technology Department, Lleida University, UTPV-CERTA, Rovira Roure 191, 25198, Lleida, Spain.  
SO International journal of food microbiology, (2005 May 25) Vol. 101, No. 2, pp. 169-77. Electronic Publication: 2004-12-28.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200507  
ED Entered STN: 3 May 2005  
Last Updated on STN: 15 Jul 2005  
Entered Medline: 14 Jul 2005

L4 ANSWER 10 OF 127 MEDLINE on STN

Full Text

AN 2005228674 MEDLINE  
DN PubMed ID: 15862878  
TI Study of benzoate, propionate, and sorbate salts as mould spoilage inhibitors on intermediate moisture bakery products of low pH (4.5-5.5).  
AU Guynot M E; Ramos A J; Sanchis V; Marin S  
CS Food Technology Department, UTPV-CERTA, University of Lleida, Rovira Roure 191, 25198 Lleida, Spain.  
SO International journal of food microbiology, (2005 May 25) Vol. 101, No. 2, pp. 161-8. Electronic Publication: 2004-12-29.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200507  
ED Entered STN: 3 May 2005  
Last Updated on STN: 15 Jul 2005  
Entered Medline: 14 Jul 2005

L4 ANSWER 11 OF 127 MEDLINE on STN

Full Text

AN 2005086548 MEDLINE  
DN PubMed ID: 15715876  
TI Microbial content of commercial South African high-moisture dried fruits.  
AU Witthuhn R C; Engelbrecht S; Joubert E; Britz T J  
CS Department of Food Science, Stellenbosch University, Matieland, South Africa.. [rcwit@sun.ac.za](mailto:rcwit@sun.ac.za)  
SO Journal of applied microbiology, (2005) Vol. 98, No. 3, pp. 722-6.  
Journal code: 9706280. ISSN: 1364-5072.  
CY England; United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200506  
ED Entered STN: 18 Feb 2005  
Last Updated on STN: 24 Jun 2005  
Entered Medline: 23 Jun 2005

L4 ANSWER 12 OF 127 MEDLINE on STN

Full Text

AN 2004566004 MEDLINE  
DN PubMed ID: 15537309  
TI Effect of gas environment and sorbate addition on flavor characteristics of irradiated apple cider during storage.  
AU Crook Loretta R; Boylston Terri D; Glatz Bonita A  
CS Department of Food Science and Human Nutrition, 2312 Food Sciences Building, Iowa State University, Ames, Iowa 50011-1061, USA.  
SO Journal of agricultural and food chemistry, (2004 Nov 17) Vol. 52, No. 23, pp. 6997-7004.  
Journal code: 0374755. ISSN: 0021-8561.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200412  
ED Entered STN: 13 Nov 2004  
Last Updated on STN: 21 Dec 2004  
Entered Medline: 20 Dec 2004

L4 ANSWER 13 OF 127 MEDLINE on STN

Full Text

AN 2004537735 MEDLINE  
DN PubMed ID: 15508622  
TI Effect of nisin in combination with EDTA, sodium lactate, and potassium sorbate for reducing Salmonella on whole and fresh-cut cantaloupe.  
AU Ukuku Dike O; Fett William F  
CS Food Safety Intervention Technologies Research Unit, U.S. Department of Agriculture, Agricultural Research Service, Eastern Regional Research Center, 600 East Mermaid Lane, Wyndmoor, Pennsylvania 19038, USA..

dukuku@errc.ars.usda.gov  
 SO Journal of food protection, (2004 Oct) Vol. 67, No. 10, pp. 2143-50.  
 Journal code: 7703944. ISSN: 0362-028X.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200411  
 ED Entered STN: 29 Oct 2004  
 Last Updated on STN: 17 Nov 2004  
 Entered Medline: 16 Nov 2004

L4 ANSWER 14 OF 127 MEDLINE on STN  
Full Text  
 AN 2004338452 MEDLINE  
 DN PubMed ID: 15240076  
 TI Effect of weak acid preservatives on growth of bakery product spoilage  
 fungi at different water activities and pH values.  
 AU Suhr K I; Nielsen P V  
 CS Mycology Group, Biocentrum-DTU, Technical University of Denmark, Soltofts  
 Plads, Building 221, DK-2800 Lyngby, Denmark.. kasu@biocentrum.dtu.dk  
 SO International journal of food microbiology, (2004 Aug 15) Vol. 95, No. 1,  
 pp. 67-78.  
 Journal code: 8412849. ISSN: 0168-1605.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200410  
 ED Entered STN: 9 Jul 2004  
 Last Updated on STN: 20 Oct 2004  
 Entered Medline: 19 Oct 2004

L4 ANSWER 15 OF 127 MEDLINE on STN  
Full Text  
 AN 2004245220 MEDLINE  
 DN PubMed ID: 15113144  
 TI New method for the determination of benzoic and sorbic acids in commercial  
 orange juices based on second-order spectrophotometric data generated by a  
 pH gradient flow injection technique.  
 AU Marsili Nilda R; Lista Adriana; Fernandez Band Beatriz S; Goicoechea  
 Hector C; Olivieri Alejandro C  
 CS Catedra de Quimica Analitica, Facultad de Bioquimica y Ciencias  
 Biologicas, Universidad Nacional del Litoral, Ciudad Universitaria, Santa  
 Fe S3000 CC. 242, Argentina.  
 SO Journal of agricultural and food chemistry, (2004 May 5) Vol. 52, No. 9,  
 pp. 2479-84.  
 Journal code: 0374755. ISSN: 0021-8561.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200406  
 ED Entered STN: 18 May 2004  
 Last Updated on STN: 29 Jun 2004  
 Entered Medline: 28 Jun 2004

L4 ANSWER 16 OF 127 MEDLINE on STN  
Full Text  
 AN 2004140958 MEDLINE  
 DN PubMed ID: 15033268  
 TI Use of survival analysis and Classification and Regression Trees to model  
 the growth/no growth boundary of spoilage yeasts as affected by alcohol,  
 pH, sucrose, sorbate and temperature.  
 AU Evans David G; Everis Linda K; Betts Gail D  
 CS Campden and Chorleywood Food Research Association, Chipping Campden,  
 Gloucestershire GL55 6LD, UK.  
 SO International journal of food microbiology, (2004 Apr 1) Vol. 92, No. 1,  
 pp. 55-67.  
 Journal code: 8412849. ISSN: 0168-1605.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)



LA English  
FS Priority Journals  
EM 200406  
ED Entered STN: 23 Mar 2004  
Last Updated on STN: 11 Jun 2004  
Entered Medline: 10 Jun 2004

L4 ANSWER 17 OF 127 MEDLINE on STN

Full Text

AN 2004079330 MEDLINE  
DN PubMed ID: 14968963  
TI Effects of cetylpyridinium chloride, acidified sodium chlorite, and potassium sorbate on populations of Escherichia coli O157:H7, Listeria monocytogenes, and Staphylococcus aureus on fresh beef.  
AU Lim Kyungwha; Mustapha Azlin  
CS Department of Food Science, 256 William C. Stringer Wing, Eckles Hall, University of Missouri, Columbia, Missouri 65211-5160, USA.  
SO Journal of food protection, (2004 Feb) Vol. 67, No. 2, pp. 310-5.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200404  
ED Entered STN: 19 Feb 2004  
Last Updated on STN: 2 Apr 2004  
Entered Medline: 1 Apr 2004

L4 ANSWER 18 OF 127 MEDLINE on STN

Full Text

AN 2004020081 MEDLINE  
DN PubMed ID: 14717374  
TI Effect of prestorage treatments and storage conditions on the survival of Salmonella enteritidis PT4 and Listeria monocytogenes on fresh marine and freshwater aquaculture fish.  
AU Tassou C C; Lamibropoulou K; Nychas G J E  
CS National Agricultural Research Foundation, Institute of Technology of Agricultural Products, S. Venizelou 1, Lycovrissi 14123, Athens, Greece..  
[microlab.itap@nagref.gr](mailto:microlab.itap@nagref.gr)  
SO Journal of food protection, (2004 Jan) Vol. 67, No. 1, pp. 193-8.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200403  
ED Entered STN: 14 Jan 2004  
Last Updated on STN: 12 Mar 2004  
Entered Medline: 11 Mar 2004

L4 ANSWER 19 OF 127 MEDLINE on STN

Full Text

AN 2003601157 MEDLINE  
DN PubMed ID: 14684899  
TI Crystallization of the effector-binding domains of BenM and CatM, LysR-type transcriptional regulators from Acinetobacter sp. ADP1.  
AU Clark Todd; Haddad Sandra; Neidle Ellen; Momany Cory  
CS Department of Microbiology, University of Georgia, Athens, GA, USA.  
SO Acta crystallographica. Section D, Biological crystallography, (2004 Jan) Vol. 60, No. Pt 1, pp. 105-8. Electronic Publication: 2003-12-18.  
Journal code: 9305878. ISSN: 0907-4449.  
CY Denmark  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200408  
ED Entered STN: 20 Dec 2003  
Last Updated on STN: 1 Sep 2004  
Entered Medline: 31 Aug 2004

L4 ANSWER 20 OF 127 MEDLINE on STN

Full Text

AN 2003520511 MEDLINE  
 DN PubMed ID: 14527797  
 TI Efficacy of sorbates on the control of the growth of Eurotium species in bakery products with near neutral pH.  
 AU Marin S; Abellana M; Rubinat M; Sanchis V; Ramos A J  
 CS Food Technology Department, UTPV-CERTA, University of Lleida, Rovira Roure 191, 25198 Lleida, Spain.  
 SO International journal of food microbiology, (2003 Nov 1) Vol. 87, No. 3, pp. 251-8.  
 Journal code: 8412849. ISSN: 0168-1605.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200312  
 ED Entered STN: 6 Nov 2003  
 Last Updated on STN: 24 Dec 2003  
 Entered Medline: 23 Dec 2003

L4 ANSWER 21 OF 127 MEDLINE on STN  
Full Text

AN 2003130044 MEDLINE  
 DN PubMed ID: 12643653  
 TI Effects of processing treatment and sorbate addition on the flavor characteristics of apple cider.  
 AU Boylston Terri D; Wang Hui; Reitmeier Cheryl A; Glatz Bonita A  
 CS Department of Food Science and Human Nutrition, 2312 Food Sciences Building, Iowa State University, Ames, Iowa 50011-1061, USA..  
[tboylsto@iastate.edu](mailto:tboylsto@iastate.edu)  
 SO Journal of agricultural and food chemistry, (2003 Mar 26) Vol. 51, No. 7, pp. 1924-31.  
 Journal code: 0374755. ISSN: 0021-8561.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200305  
 ED Entered STN: 20 Mar 2003  
 Last Updated on STN: 8 May 2003  
 Entered Medline: 7 May 2003

L4 ANSWER 22 OF 127 MEDLINE on STN  
Full Text

AN 2003102222 MEDLINE  
 DN PubMed ID: 12614899  
 TI Modes of antifungal action of alkanols against Saccharomyces cerevisiae.  
 AU Kubo Isao; Fujita Tomoko; Kubo Aya; Fujita Ken ichi  
 CS Department of Environmental Science, Policy and Management, University of California, Berkeley, CA 94720-3112, USA..  
[ikubo@uclink4.berkeley.edu](mailto:ikubo@uclink4.berkeley.edu)  
 SO Bioorganic & medicinal chemistry, (2003 Mar 20) Vol. 11, No. 6, pp. 1117-22.  
 Journal code: 9413298. ISSN: 0968-0896.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200311  
 ED Entered STN: 5 Mar 2003  
 Last Updated on STN: 17 Dec 2003  
 Entered Medline: 24 Nov 2003

L4 ANSWER 23 OF 127 MEDLINE on STN  
Full Text

AN 2002614738 MEDLINE  
 DN PubMed ID: 12371655  
 TI Risk assessment of the use of sub-optimal levels of weak-acid preservatives in the control of mould growth on bakery products.  
 AU Marin S; Guynot M E; Neira P; Bernado M; Sanchis V; Ramos A J  
 CS Food Technology Department, Lleida University, CERTA-UTPV, Spain.  
 SO International journal of food microbiology, (2002 Dec 15) Vol. 79, No. 3, pp. 203-11.  
 Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200211  
ED Entered STN: 10 Oct 2002  
Last Updated on STN: 13 Dec 2002  
Entered Medline: 21 Nov 2002

L4 ANSWER 24 OF 127 MEDLINE on STN

Full Text

AN 2002298493 MEDLINE  
DN PubMed ID: 12038576  
TI Combined effects of weak acid preservatives, pH and water activity on growth of Eurotium species on a sponge cake.  
AU Guynot M E; Ramos A J; Sala D; Sanchis V; Marin S  
CS Food Technology Department, Lleida University, UTPV-CeRTA, Spain.  
SO International journal of food microbiology, (2002 Jun 5) Vol. 76, No. 1-2, pp. 39-46.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200208  
ED Entered STN: 2 Jun 2002  
Last Updated on STN: 6 Aug 2002  
Entered Medline: 5 Aug 2002

L4 ANSWER 25 OF 127 MEDLINE on STN

Full Text

AN 2002260743 MEDLINE  
DN PubMed ID: 11997972  
TI Evaluation of food additives and low-toxicity compounds as alternative chemicals for the control of *Penicillium digitatum* and *Penicillium italicum* on citrus fruit.  
AU Palou Lluís; Usall Josep; Smilanick Joseph L; Aguilar Maria-Jose; Vinas Inmaculada  
CS Area de Postcollita, CeRTA, Centre UdL-IRTA, Av Rovira Roure 177, 25198 Lleida, Catalonia, Spain.. [lluis@uckac.edu](mailto:lluis@uckac.edu)  
SO Pest management science, (2002 May) Vol. 58, No. 5, pp. 459-66.  
Journal code: 100898744. ISSN: 1526-498X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200212  
ED Entered STN: 10 May 2002  
Last Updated on STN: 17 Dec 2002  
Entered Medline: 3 Dec 2002

L4 ANSWER 26 OF 127 MEDLINE on STN

Full Text

AN 2002215247 MEDLINE  
DN PubMed ID: 11916710  
TI Modeling yeast spoilage in cold-filled ready-to-drink beverages with *Saccharomyces cerevisiae*, *Zygosaccharomyces bailii*, and *Candida lipolytica*.  
AU Battey Alyce Stiles; Duffy Siobain; Schaffner Donald W  
CS Food Risk Analysis Initiative, Rutgers, The State University of New Jersey, New Brunswick, New Jersey 08901-8520, USA.  
SO Applied and environmental microbiology, (2002 Apr) Vol. 68, No. 4, pp. 1901-6.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200207  
ED Entered STN: 16 Apr 2002  
Last Updated on STN: 13 Jul 2002  
Entered Medline: 12 Jul 2002

L4 ANSWER 27 OF 127 MEDLINE on STN

Full Text

AN 2002201782 MEDLINE  
DN PubMed ID: 11934286  
TI Benzene-free synthesis of adipic acid.  
AU Niu Wei; Draths K M; Frost J W  
CS Department of Chemistry, Michigan State University, East Lansing  
48824-1322, USA.  
SO Biotechnology progress, (2002 Mar-Apr) Vol. 18, No. 2, pp. 201-11.  
Journal code: 8506292. ISSN: 8756-7938.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200209  
ED Entered STN: 6 Apr 2002  
Last Updated on STN: 6 Sep 2002  
Entered Medline: 5 Sep 2002

L4 ANSWER 28 OF 127 MEDLINE on STN

Full Text

AN 2002200935 MEDLINE  
DN PubMed ID: 11934030  
TI Aspergillus flavus dose-response curves to selected natural and synthetic  
antimicrobials.  
AU Lopez-Malo Aurelio; Alzamora Stella M; Palou Enrique  
CS Departamento de Ingenieria Quimica y Alimentos, Universidad de las  
Americas-Puebla, Cholula, Mexico.. [amalo@mail.udlap.mx](mailto:amalo@mail.udlap.mx)  
SO International journal of food microbiology, (2002 Mar) Vol. 73, No. 2-3,  
pp. 213-8.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200208  
ED Entered STN: 6 Apr 2002  
Last Updated on STN: 3 Aug 2002  
Entered Medline: 2 Aug 2002

L4 ANSWER 29 OF 127 MEDLINE on STN

Full Text

AN 2002184211 MEDLINE  
DN PubMed ID: 11916706  
TI Staphylococcus aureus growth boundaries: moving towards mechanistic  
predictive models based on solute-specific effects.  
AU Stewart Cynthia M; Cole Martin B; Legan J David; Slade Louise; Vandeven  
Mark H; Schaffner Donald W  
CS Nabisco, Inc., East Hanover, New Jersey 07936, USA..  
[cindy.stewart@foodscience.afisc.csiro.au](mailto:cindy.stewart@foodscience.afisc.csiro.au)  
SO Applied and environmental microbiology, (2002 Apr) Vol. 68, No. 4, pp.  
1864-71.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200207  
ED Entered STN: 3 Apr 2002  
Last Updated on STN: 13 Jul 2002  
Entered Medline: 12 Jul 2002

L4 ANSWER 30 OF 127 MEDLINE on STN

Full Text

AN 2002118958 MEDLINE  
DN PubMed ID: 11852696  
TI Sorption of benzoic acid, sorbic acid, benzyl alcohol, and benzalkonium  
chloride by flexible tubing.  
AU Bahal Surendra M; Romansky Jamie M  
CS Pharmaceutical Research and Development, DuPont Pharmaceuticals Company,  
Wilmington, DE 19880-0400, USA.. [mokabahal@aol.com](mailto:mokabahal@aol.com)

SO Pharmaceutical development and technology, (2002 Jan) Vol. 7, No. 1, pp. 49-58.  
 Journal code: 9610932. ISSN: 1083-7450.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200209  
 ED Entered STN: 21 Feb 2002  
 Last Updated on STN: 13 Sep 2002  
 Entered Medline: 12 Sep 2002

L4 ANSWER 31 OF 127 MEDLINE on STN

Full Text

AN 2002112131 MEDLINE  
 DN PubMed ID: 11843418  
 TI Occurrence of xerophilic fungi in bakery gingerbread production.  
 AU Vytrasova J; Pribanova P; Marvanova L  
 CS Department of Biological and Biochemical Sciences, University of Pardubice, Czech Republic.. [Jarmila.Vytrasova@upce.cz](mailto:Jarmila.Vytrasova@upce.cz)  
 SO International journal of food microbiology, (2002 Jan 30) Vol. 72, No. 1-2, pp. 91-6.  
 Journal code: 8412849. ISSN: 0168-1605.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200206  
 ED Entered STN: 15 Feb 2002  
 Last Updated on STN: 28 Jun 2002  
 Entered Medline: 27 Jun 2002

L4 ANSWER 32 OF 127 MEDLINE on STN

Full Text

AN 2002027299 MEDLINE  
 DN PubMed ID: 11473588  
 TI Modelling bacterial spoilage in cold-filled ready to drink beverages by Acinetobacter calcoaceticus and Gluconobacter oxydans.  
 AU Battey A S; Schaffner D W  
 CS Food Risk Analysis Initiative, Rutgers, The State University of New Jersey, New Brunswick, 08901-8520, USA.  
 SO Journal of applied microbiology, (2001 Aug) Vol. 91, No. 2, pp. 237-47.  
 Journal code: 9706280. ISSN: 1364-5072.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200205  
 ED Entered STN: 21 Jan 2002  
 Last Updated on STN: 10 May 2002  
 Entered Medline: 9 May 2002

L4 ANSWER 33 OF 127 MEDLINE on STN

Full Text

AN 2001690102 MEDLINE  
 DN PubMed ID: 11737636  
 TI The ZbYME2 gene from the food spoilage yeast Zygosaccharomyces bailii confers not only YME2 functions in Saccharomyces cerevisiae, but also the capacity for catabolism of sorbate and benzoate, two major weak organic acid preservatives.  
 AU Mollapour M; Piper P W  
 CS Department of Biochemistry and Molecular Biology, University College London, London WC1E 6BT, UK.  
 SO Molecular microbiology, (2001 Nov) Vol. 42, No. 4, pp. 919-30.  
 Journal code: 8712028. ISSN: 0950-382X.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200203  
 ED Entered STN: 13 Dec 2001  
 Last Updated on STN: 2 Mar 2002

Entered Medline: 1 Mar 2002

L4 ANSWER 34 OF 127 MEDLINE on STN

Full Text

AN 2001563074 MEDLINE  
DN PubMed ID: 11641568  
TI The effects of benzoate and fluoride on dental caries in intact and desalivated rats.  
AU Davis B A; Raubertas R F; Pearson S K; Bowen W H  
CS Center for Oral Biology, University of Rochester, NY, USA.  
NC DE 07165 (NIDCR)  
DE 11549 (NIDCR)  
SO Caries research, (2001 Sep-Oct) Vol. 35, No. 5, pp. 331-7.  
Journal code: 0103374. ISSN: 0008-6568.  
CY Switzerland  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Dental Journals; Priority Journals  
EM 200201  
ED Entered STN: 22 Oct 2001  
Last Updated on STN: 25 Jan 2002  
Entered Medline: 9 Jan 2002

L4 ANSWER 35 OF 127 MEDLINE on STN

Full Text

AN 2001555161 MEDLINE  
DN PubMed ID: 11601709  
TI Effects of storage temperature and preservative treatment on shelf life of the pond-raised freshwater fish, silver perch (*Bidyanus bidyanus*).  
AU Gelman A; Glatman L; Drabkin V; Harpaz S  
CS Fishery Products Laboratory, Kimron Veterinary Institute, Bet Dagan, Israel.  
SO Journal of food protection, (2001 Oct) Vol. 64, No. 10, pp. 1584-91.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200111  
ED Entered STN: 17 Oct 2001  
Last Updated on STN: 5 Nov 2001  
Entered Medline: 1 Nov 2001

L4 ANSWER 36 OF 127 MEDLINE on STN

Full Text

AN 2001536931 MEDLINE  
DN PubMed ID: 11198441  
TI Modeling the growth boundary of *Staphylococcus aureus* for risk assessment purposes.  
AU Stewart C M; Cole M B; Legan J D; Slade L; Vandeven M H; Schaffner D W  
CS Nabisco, Inc., East Hanover, New Jersey 07936, USA.. [stewartc@nabisco.com](mailto:stewartc@nabisco.com)  
SO Journal of food protection, (2001 Jan) Vol. 64, No. 1, pp. 51-7.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200110  
ED Entered STN: 8 Oct 2001  
Last Updated on STN: 8 Oct 2001  
Entered Medline: 4 Oct 2001

L4 ANSWER 37 OF 127 MEDLINE on STN

Full Text

AN 2001474625 MEDLINE  
DN PubMed ID: 11518432  
TI Modelling the effects of (green) antifungals, droplet size distribution and temperature on mould outgrowth in water-in-oil emulsions.  
AU ter Steeg P F; Otten G D; Alderliesten M; de Weijer R; Naaktgeboren G; Bijl J; Vasbinder A J; Kershof I; van Duijvendijk A M  
CS Microbiology and Preservation, Unilever Research Vlaardingen, The Netherlands.. [Pieter-ter.Steeg@Unilever.com](mailto:Pieter-ter.Steeg@Unilever.com)

SO International journal of food microbiology, (2001 Aug 5) Vol. 67, No. 3,  
pp. 227-39.  
Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200109  
ED Entered STN: 27 Aug 2001  
Last Updated on STN: 17 Sep 2001  
Entered Medline: 13 Sep 2001

L4 ANSWER 38 OF 127 MEDLINE on STN  
Full Text  
AN 2001473474 MEDLINE  
DN PubMed ID: 11327111  
TI Acid tolerance of Escherichia coli O157:H7 and its survival in apple  
juice.  
AU Koodie L; Dhople A M  
CS Department of Biological Sciences, Florida Institute of Technology,  
Melbourne 32901-6975, USA.  
SO Microbios, (2001) Vol. 104, No. 409, pp. 167-75.  
Journal code: 0207257. ISSN: 0026-2633.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200108  
ED Entered STN: 27 Aug 2001  
Last Updated on STN: 27 Aug 2001  
Entered Medline: 23 Aug 2001

L4 ANSWER 39 OF 127 MEDLINE on STN  
Full Text  
AN 2001353343 MEDLINE  
DN PubMed ID: 11206806  
TI Characterisation of sorbate geometrical isomers.  
AU Cigic I K; Plavec J; Mozina S S; Zupancic-Kralj L  
CS University of Ljubljana, Faculty of Chemistry and Chemical Technology,  
Slovenia.. [irena.kralj-cigic@uni-lj.si](mailto:irena.kralj-cigic@uni-lj.si)  
SO Journal of chromatography. A, (2001 Jan 5) Vol. 905, No. 1-2, pp. 359-66.  
Journal code: 9318488. ISSN: 0021-9673.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200106  
ED Entered STN: 25 Jun 2001  
Last Updated on STN: 25 Jun 2001  
Entered Medline: 21 Jun 2001

L4 ANSWER 40 OF 127 MEDLINE on STN  
Full Text  
AN 2001258726 MEDLINE  
DN PubMed ID: 11246903  
TI Prevalence and behaviour of Bacillus cereus in a REPFED of Italian origin.  
AU Del Torre M; Della Corte M; Stecchini M L  
CS Department of Food Science, University of Udine, Italy..  
[manueladelatorre@yahoo.it](mailto:manueladelatorre@yahoo.it)  
SO International journal of food microbiology, (2001 Feb 15) Vol. 63, No. 3,  
pp. 199-207.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200105  
ED Entered STN: 21 May 2001  
Last Updated on STN: 21 May 2001  
Entered Medline: 17 May 2001

L4 ANSWER 41 OF 127 MEDLINE on STN

Full Text

AN 2001171519 MEDLINE  
DN PubMed ID: 11271842  
TI Effect of novel water-soluble polymeric forms of sorbic acid against  
Fusarium oxysporum f.sp. radicle-cucumerinum.  
AU Tzatzarakis M N; Tsatsakis A M; Lotter M M; Shtilman M I; Vakalounakis D J  
CS Laboratory of Toxicology, Department of Medicine, University of Crete,  
Voutes 71409 Heraklion, Crete, Greece.  
SO Food additives and contaminants, (2000 Dec) Vol. 17, No. 12, pp. 965-71.  
Journal code: 8500474. ISSN: 0265-203X.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200103  
ED Entered STN: 4 Apr 2001  
Last Updated on STN: 4 Apr 2001  
Entered Medline: 29 Mar 2001

L4 ANSWER 42 OF 127 MEDLINE on STN

Full Text

AN 2001083999 MEDLINE  
DN PubMed ID: 10992281  
TI Sorbic acid resistance: the inoculum effect.  
AU Steels H; James S A; Roberts I N; Stratford M  
CS Microbiology Section, Unilever Research, Colworth House, Sharnbrook,  
Bedford MK44 1LQ, UK.  
SO Yeast (Chichester, England), (2000 Sep 30) Vol. 16, No. 13, pp. 1173-83.  
Journal code: 8607637. ISSN: 0749-503X.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200101  
ED Entered STN: 22 Mar 2001  
Last Updated on STN: 22 Mar 2001  
Entered Medline: 18 Jan 2001

L4 ANSWER 43 OF 127 MEDLINE on STN

Full Text

AN 2001012248 MEDLINE  
DN PubMed ID: 10957708  
TI Inhibition of Aeromonas caviae and A. sobria by sodium chloride, citric  
acid, ascorbic acid, potassium sorbate and extracts of Thymus vulgaris.  
AU Abu-Ghazaleh B M  
CS Department of Biology, Hashemite University, Zarqa, Jordan.  
SO Japanese journal of infectious diseases, (2000 Jun) Vol. 53, No. 3, pp.  
111-5.  
Journal code: 100893704. ISSN: 1344-6304.  
CY Japan  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200011  
ED Entered STN: 22 Mar 2001  
Last Updated on STN: 22 Mar 2001  
Entered Medline: 2 Nov 2000

L4 ANSWER 44 OF 127 MEDLINE on STN

Full Text

AN 2000507355 MEDLINE  
DN PubMed ID: 11053386  
TI The yeast model for batten disease: mutations in BTN1, BTN2, and HSP30  
alter pH homeostasis.  
AU Chattopadhyay S; Muzaffar N E; Sherman F; Pearce D A  
CS Center for Aging and Developmental Biology, University of Rochester  
Medical School, Rochester, New York 14642, USA.  
NC R01NS36610 (NINDS)  
SO Journal of bacteriology, (2000 Nov) Vol. 182, No. 22, pp. 6418-23.  
Journal code: 2985120R. ISSN: 0021-9193.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)



LA English  
FS Priority Journals  
EM 200012  
ED Entered STN: 22 Mar 2001  
Last Updated on STN: 4 Mar 2003  
Entered Medline: 7 Dec 2000

L4 ANSWER 45 OF 127 MEDLINE on STN

Full Text

AN 2000434846 MEDLINE  
DN PubMed ID: 10945575  
TI Heat inactivation of Escherichia coli O157:H7 in apple cider containing malic acid, sodium benzoate, and potassium sorbate.  
AU Dock L L; Floros J D; Linton R H  
CS Department of Food Science, Purdue University, West Lafayette, Indiana 47907-1160, USA.  
SO Journal of food protection, (2000 Aug) Vol. 63, No. 8, pp. 1026-31.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200009  
ED Entered STN: 28 Sep 2000  
Last Updated on STN: 28 Sep 2000  
Entered Medline: 21 Sep 2000

L4 ANSWER 46 OF 127 MEDLINE on STN

Full Text

AN 2000434831 MEDLINE  
DN PubMed ID: 10914662  
TI Growth of Bacillus cereus on solid media as affected by agar, sodium chloride, and potassium sorbate.  
AU Stecchini M L; Del Torre M; Donda S; Maltini E  
CS Dipartimento di Scienze degli Alimenti, Universita degli Studi di Udine, Italy.. [maria.stecchini@dsa.uniud.it](mailto:maria.stecchini@dsa.uniud.it)  
SO Journal of food protection, (2000 Jul) Vol. 63, No. 7, pp. 926-9.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200009  
ED Entered STN: 28 Sep 2000  
Last Updated on STN: 28 Sep 2000  
Entered Medline: 21 Sep 2000

L4 ANSWER 47 OF 127 MEDLINE on STN

Full Text

AN 2000313683 MEDLINE  
DN PubMed ID: 10857540  
TI Effects of weak acid preservatives on the growth and thermal death of the yeast Pichia membranifaciens in a commercial apple juice.  
AU Veiga A; Madeira-Lopes A  
CS Departamento de Botanica e Engenharia Biologica, Instituto Superior de Agronomia, Lisboa, Portugal.. [xanaveiga@isa.utl.pt](mailto:xanaveiga@isa.utl.pt)  
SO International journal of food microbiology, (2000 Jun 1) Vol. 56, No. 2-3, pp. 145-51.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200007  
ED Entered STN: 28 Jul 2000  
Last Updated on STN: 28 Jul 2000  
Entered Medline: 17 Jul 2000

L4 ANSWER 48 OF 127 MEDLINE on STN

Full Text

AN 2000217936 MEDLINE  
DN PubMed ID: 10755134

TI Effects of food preservatives on *Alternaria alternata* growth and tenuazonic acid production.  
 AU Combina M; Dalcero A M; Varsavsky E; Chulze S  
 CS Departamento de Microbiologia e Inmunologia, Facultad de Ciencias Exactas, Fisico-Quimicas y Naturales, Universidad Nacional de Rio Cuarto, Cordoba, Argentina.. [cimza@inta.ov.ar](mailto:cimza@inta.ov.ar)  
 SO Food additives and contaminants, (1999 Oct) Vol. 16, No. 10, pp. 433-7.  
 Journal code: 8500474. ISSN: 0265-203X.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200005  
 ED Entered STN: 12 May 2000  
 Last Updated on STN: 12 May 2000  
 Entered Medline: 4 May 2000

L4 ANSWER 49 OF 127 MEDLINE on STN

Full Text

AN 2000106569 MEDLINE  
 DN PubMed ID: 10643775  
 TI Probabilistic modeling of *Saccharomyces cerevisiae* inhibition under the effects of water activity, pH, and potassium sorbate concentration.  
 AU Lopez-Malo A; Guerrero S; Alzamora S M  
 CS Departamento de Ingenieria Quimica y Alimentos, Universidad de las Americas-Puebla, Mexico.. [amalo@mail.udlap.mx](mailto:amalo@mail.udlap.mx)  
 SO Journal of food protection, (2000 Jan) Vol. 63, No. 1, pp. 91-5.  
 Journal code: 7703944. ISSN: 0362-028X.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200002  
 ED Entered STN: 29 Feb 2000  
 Last Updated on STN: 29 Feb 2000  
 Entered Medline: 15 Feb 2000

L4 ANSWER 50 OF 127 MEDLINE on STN

Full Text

AN 1999438660 MEDLINE  
 DN PubMed ID: 10509244  
 TI Survival of *Listeria monocytogenes* in commercial cheese brines.  
 AU Larson A E; Johnson E A; Nelson J H  
 CS Department of Food Microbiology and Toxicology, University of Wisconsin, Madison 53706, USA.  
 SO Journal of dairy science, (1999 Sep) Vol. 82, No. 9, pp. 1860-8.  
 Journal code: 2985126R. ISSN: 0022-0302.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199911  
 ED Entered STN: 11 Jan 2000  
 Last Updated on STN: 11 Jan 2000  
 Entered Medline: 1 Nov 1999

L4 ANSWER 51 OF 127 MEDLINE on STN

Full Text

AN 1999391078 MEDLINE  
 DN PubMed ID: 10463437  
 TI Heat resistance of *Escherichia coli* O157:H7 in apple juice.  
 AU Splittstoesser D F; McLellan M R; Churey J J  
 CS Department of Food Science and Technology, Cornell University, Geneva, New York 14456, USA.  
 SO Journal of food protection, (1996 Mar) Vol. 59, No. 3, pp. 226-9.  
 Journal code: 7703944. ISSN: 0362-028X.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199910  
 ED Entered STN: 11 Jan 2000

Last Updated on STN: 26 Oct 2002  
Entered Medline: 22 Oct 1999

L4 ANSWER 52 OF 127 MEDLINE on STN

Full Text

AN 1999345576 MEDLINE  
DN PubMed ID: 10419208  
TI Modeling the aerobic growth and decline of Staphylococcus aureus as affected by pH and potassium sorbate concentration.  
AU Giannuzzi L; Contreras E; Zaritzky N  
CS Centro de Investigacion y Desarrollo en Criotecnologia de Alimentos, Facultad de Ciencias Exactas, Universidad Nacional de La Plata, CONICET, Argentina.  
SO Journal of food protection, (1999 Apr) Vol. 62, No. 4, pp. 356-62.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199909  
ED Entered STN: 5 Oct 1999  
Last Updated on STN: 5 Oct 1999  
Entered Medline: 21 Sep 1999

L4 ANSWER 53 OF 127 MEDLINE on STN

Full Text

AN 1999028938 MEDLINE  
DN PubMed ID: 9812395  
TI Evidence that sorbic acid does not inhibit yeast as a classic 'weak acid preservative'.  
AU Stratford M; Anslow P A  
CS Microbiology Section, Unilever Research, Sharnbrook, Bedford, UK.  
SO Letters in applied microbiology, (1998 Oct) Vol. 27, No. 4, pp. 203-6.  
Journal code: 8510094. ISSN: 0266-8254.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199812  
ED Entered STN: 15 Jan 1999  
Last Updated on STN: 15 Jan 1999  
Entered Medline: 22 Dec 1998

L4 ANSWER 54 OF 127 MEDLINE on STN

Full Text

AN 1999014889 MEDLINE  
DN PubMed ID: 9798155  
TI Thermal death rate of ascospores of Neosartorya fischeri ATCC 200957 in the presence of organic acids and preservatives in fruit juices.  
AU Rajashekhara E; Suresh E R; Ethiraj S  
CS Microbiology Laboratory, Indian Institute of Horticultural Research, Bangalore, India.. [iihr@X400nicgw.nic.in](mailto:iihr@X400nicgw.nic.in)  
SO Journal of food protection, (1998 Oct) Vol. 61, No. 10, pp. 1358-62.  
Journal code: 7703944. ISSN: 0362-028X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199901  
ED Entered STN: 28 Jan 1999  
Last Updated on STN: 28 Jan 1999  
Entered Medline: 8 Jan 1999

L4 ANSWER 55 OF 127 MEDLINE on STN

Full Text

AN 1998370282 MEDLINE  
DN PubMed ID: 9706785  
TI Effects of modified atmosphere packaging and preservatives on the shelf-life of high moisture prunes and raisins.  
AU El Halouat A; Gourama H; Uyttendaele M; Debevere J M  
CS Department of Food Sciences, Ecole Nationale d'Agriculture, Meknes, Morocco.

SO International journal of food microbiology, (1998 Jun 16) Vol. 41, No. 3,  
pp. 177-84.  
Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199809  
ED Entered STN: 10 Sep 1998  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 3 Sep 1998

L4 ANSWER 56 OF 127 MEDLINE on STN  
Full Text  
AN 1998353451 MEDLINE  
DN PubMed ID: 9687494  
TI The pdr12 ABC transporter is required for the development of weak organic  
acid resistance in yeast.  
AU Piper P; Mahe Y; Thompson S; Pandjaitan R; Holyoak C; Egner R; Muhlbauer  
M; Coote P; Kuchler K  
CS Department of Molecular Genetics, University and Biocenter of Vienna,  
Austria.  
SO The EMBO journal, (1998 Aug 3) Vol. 17, No. 15, pp. 4257-65.  
Journal code: 8208664. ISSN: 0261-4189.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199809  
ED Entered STN: 6 Oct 1998  
Last Updated on STN: 18 Feb 2003  
Entered Medline: 22 Sep 1998

L4 ANSWER 57 OF 127 MEDLINE on STN  
Full Text  
AN 1998281432 MEDLINE  
DN PubMed ID: 9620122  
TI Prediction of Listeria spp. growth as affected by various levels of  
chemicals, pH, temperature and storage time in a model broth.  
AU Razavilar V; Genigeorgis C  
CS Department of Food Hygiene, Faculty of Veterinary Medicine, University of  
Tehran, Iran.  
SO International journal of food microbiology, (1998 Apr 14) Vol. 40, No. 3,  
pp. 149-57.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199806  
ED Entered STN: 13 Jul 1998  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 30 Jun 1998

L4 ANSWER 58 OF 127 MEDLINE on STN  
Full Text  
AN 1998207827 MEDLINE  
DN PubMed ID: 9546160  
TI 19F nuclear magnetic resonance as a tool to investigate microbial  
degradation of fluorophenols to fluorocatechols and fluoromuconates.  
AU Boersma M G; Dinarieva T Y; Middelhoven W J; van Berkel W J; Doran J;  
Vervoort J; Rietjens I M  
CS Laboratory of Biochemistry, Wageningen Agricultural University, The  
Netherlands.. [Marelle.Boersma@P450.BC.WAU.NL](mailto:Marelle.Boersma@P450.BC.WAU.NL)  
SO Applied and environmental microbiology, (1998 Apr) Vol. 64, No. 4, pp.  
1256-63.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199805

ED Entered STN: 14 May 1998  
Last Updated on STN: 14 May 1998  
Entered Medline: 1 May 1998

L4 ANSWER 59 OF 127 MEDLINE on STN

Full Text

AN 1998052152 MEDLINE  
DN PubMed ID: 9390450  
TI Potato pulp: **microbiological** characterization, physical modification,  
and application of this agricultural waste product.  
AU Mayer F; Hillebrandt J O  
CS Institut fur Mikrobiologie, Georg-August-Universitat Gottingen, Germany.  
SO Applied microbiology and biotechnology, (1997 Oct) Vol. 48, No. 4, pp.  
435-40. Ref: 28  
Journal code: 8406612. ISSN: 0175-7598.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
LA English  
FS Biotechnology; Space Life Sciences  
EM 199801  
ED Entered STN: 6 Feb 1998  
Last Updated on STN: 6 Feb 1998  
Entered Medline: 27 Jan 1998

L4 ANSWER 60 OF 127 MEDLINE on STN

Full Text

AN 1998027094 MEDLINE  
DN PubMed ID: 9361202  
TI Resistance of yeast flora of labaneh to potassium sorbate and sodium  
benzoate.  
AU Mihiyar G F; Yamani M I; al-Sa'ed A K  
CS Department of Nutrition and Food Technology, Faculty of Agriculture,  
University of Jordan, Amman, Jordan.  
SO Journal of dairy science, (1997 Oct) Vol. 80, No. 10, pp. 2304-9.  
Journal code: 2985126R. ISSN: 0022-0302.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199712  
ED Entered STN: 9 Jan 1998  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 11 Dec 1997

L4 ANSWER 61 OF 127 MEDLINE on STN

Full Text

AN 1998012497 MEDLINE  
DN PubMed ID: 9351212  
TI Evaluation of preservative effectiveness in pharmaceutical products: the  
use of a wild strain of Pseudomonas cepacia.  
AU Zani F; Minutello A; Maggi L; Santi P; Mazza P  
CS Dipartimento Farmaceutico, Universita di Parma, Italy.  
SO Journal of applied microbiology, (1997 Sep) Vol. 83, No. 3, pp. 322-6.  
Journal code: 9706280. ISSN: 1364-5072.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199712  
ED Entered STN: 9 Jan 1998  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 11 Dec 1997

L4 ANSWER 62 OF 127 MEDLINE on STN

Full Text

AN 97084363 MEDLINE  
DN PubMed ID: 8930707  
TI Influence of modified atmosphere and preservatives on the growth of  
Zygosaccharomyces rouxii isolated from dried fruits.  
AU el Halouat A; Debevere J M  
CS Department of Food Science, Ecole Nationale d'Agriculture, Meknes,

Morocco.

SO International journal of food microbiology, (1996 Dec) Vol. 33, No. 2-3, pp. 219-29.  
Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199702

ED Entered STN: 27 Feb 1997  
Last Updated on STN: 7 Apr 2000  
Entered Medline: 13 Feb 1997

L4 ANSWER 63 OF 127 MEDLINE on STN

Full Text

AN 96405958 MEDLINE

DN PubMed ID: 8810083

TI Prolongation of the keeping quality of Mozzarella cheese by treatment with sorbate.

AU Aly M E

CS Department of Food Science, Faculty of Agriculture, Zagazig University, Egypt.

SO Die Nahrung, (1996 Aug) Vol. 40, No. 4, pp. 194-200.  
Journal code: 0142530. ISSN: 0027-769X.

CY GERMANY: Germany, Federal Republic of

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199611

ED Entered STN: 19 Dec 1996  
Last Updated on STN: 19 Dec 1996  
Entered Medline: 25 Nov 1996

L4 ANSWER 64 OF 127 MEDLINE on STN

Full Text

AN 96216765 MEDLINE

DN PubMed ID: 9072517

TI Control of microbiological quality and shelf-life of catfish (*Clarias gariepinus*) by chemical preservatives and smoking.

AU Efiuvwevwere B J; Ajiboye M O

CS Department of Microbiology, University of Port Harcourt, Choba, Nigeria.

SO The Journal of applied bacteriology, (1996 May) Vol. 80, No. 5, pp. 465-70.  
Journal code: 7503050. ISSN: 0021-8847.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199703

ED Entered STN: 7 Apr 1997  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 25 Mar 1997

L4 ANSWER 65 OF 127 MEDLINE on STN

Full Text

AN 96193152 MEDLINE

DN PubMed ID: 8614696

TI The effects of potassium sorbate and lactic acid on the shelf-life of vacuum-packed chicken meats.

AU Kolsarici N; Candogan K

CS Department of Food Engineering, Faculty of Agriculture, University of Ankara, Turkey.

SO Poultry science, (1995 Nov) Vol. 74, No. 11, pp. 1884-93.  
Journal code: 0401150. ISSN: 0032-5791.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199606

ED Entered STN: 13 Jun 1996  
Last Updated on STN: 13 Jun 1996  
Entered Medline: 5 Jun 1996

L4 ANSWER 66 OF 127 MEDLINE on STN

Full Text

AN 95260470 MEDLINE  
DN PubMed ID: 7766229  
TI Listeriolysin O secretion by *Listeria monocytogenes* in the presence of cysteine and sorbate.  
AU Kouassi Y; Shelef L A  
CS Department of Nutrition and Food Science, Wayne State University, Detroit, MI, USA.  
SO Letters in applied microbiology, (1995 May) Vol. 20, No. 5, pp. 295-9.  
Journal code: 8510094. ISSN: 0266-8254.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Biotechnology  
EM 199506  
ED Entered STN: 9 Aug 1995  
Last Updated on STN: 3 Mar 2000  
Entered Medline: 13 Jun 1995

L4 ANSWER 67 OF 127 MEDLINE on STN

Full Text

AN 95189664 MEDLINE  
DN PubMed ID: 7883649  
TI The effect of hydroxycinnamic acids and potassium sorbate on the growth of 11 strains of spoilage yeasts.  
AU Stead D  
CS Institute of Food Research, Reading Laboratory, UK.  
SO The Journal of applied bacteriology, (1995 Jan) Vol. 78, No. 1, pp. 82-7.  
Journal code: 7503050. ISSN: 0021-8847.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199504  
ED Entered STN: 25 Apr 1995  
Last Updated on STN: 25 Apr 1995  
Entered Medline: 10 Apr 1995

L4 ANSWER 68 OF 127 MEDLINE on STN

Full Text

AN 95178267 MEDLINE  
DN PubMed ID: 7873340  
TI Use of indirect conductimetry to predict the growth of spoilage yeasts, with special consideration of *Zygosaccharomyces bailii*.  
AU Deak T; Beuchat L R  
CS Department of Food Science and Technology, University of Georgia, Griffin 30223-1797.  
SO International journal of food microbiology, (1994 Nov) Vol. 23, No. 3-4, pp. 405-17.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199504  
ED Entered STN: 19 Apr 1995  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 6 Apr 1995

L4 ANSWER 69 OF 127 MEDLINE on STN

Full Text

AN 95137147 MEDLINE  
DN PubMed ID: 7835469  
TI Antimicrobial action of some GRAS compounds against *Vibrio vulnificus*.  
AU Sun Y; Oliver J D  
CS Department of Biology, University of North Carolina at Charlotte 28223.  
SO Food additives and contaminants, (1994 Sep-Oct) Vol. 11, No. 5, pp. 549-58.  
Journal code: 8500474. ISSN: 0265-203X.  
CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199502  
ED Entered STN: 14 Mar 1995  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 28 Feb 1995

L4 ANSWER 70 OF 127 MEDLINE on STN  
Full Text

AN 94355167 MEDLINE  
DN PubMed ID: 8074967  
TI Potential growth and control of Salmonella in Hispanic type soft cheese.  
AU Kasrazadeh M; Genigeorgis C  
CS Department of Epidemiology and Preventive Medicine, School of Veterinary Medicine, University of California-Davis 95616.  
SO International journal of food microbiology, (1994 May) Vol. 22, No. 2-3, pp. 127-40.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199410  
ED Entered STN: 13 Oct 1994  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 5 Oct 1994

L4 ANSWER 71 OF 127 MEDLINE on STN  
Full Text

AN 94297730 MEDLINE  
DN PubMed ID: 8025674  
TI Weak acid preservatives block the heat shock response and heat-shock-element-directed lacZ expression of low pH Saccharomyces cerevisiae cultures, an inhibitory action partially relieved by respiratory deficiency.  
AU Cheng L; Piper P W  
CS Department of Biochemistry and Molecular Biology, University College London, UK.  
SO Microbiology (Reading, England), (1994 May) Vol. 140 ( Pt 5), pp. 1085-96.  
Journal code: 9430468. ISSN: 1350-0872.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199408  
ED Entered STN: 18 Aug 1994  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 10 Aug 1994

L4 ANSWER 72 OF 127 MEDLINE on STN  
Full Text

AN 94288598 MEDLINE  
DN PubMed ID: 8017910  
TI Metabolism of styrene by Rhodococcus rhodochrous NCIMB 13259.  
AU Warhurst A M; Clarke K F; Hill R A; Holt R A; Fewson C A  
CS Department of Biochemistry, University of Glasgow, Scotland.  
SO Applied and environmental microbiology, (1994 Apr) Vol. 60, No. 4, pp. 1137-45.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199407  
ED Entered STN: 10 Aug 1994  
Last Updated on STN: 10 Aug 1994  
Entered Medline: 25 Jul 1994

L4 ANSWER 73 OF 127 MEDLINE on STN  
Full Text  
AN 94207362 MEDLINE



DN PubMed ID: 8156044  
 TI The preservation of some oral liquid preparations. The replacement of chloroform by other preservatives.  
 AU van Doorne H; Leijen J B  
 CS Department of Pharmaceutical Technology and Biopharmacy, University of Groningen, The Netherlands.  
 SO Pharmacy world & science : PWS, (1994 Feb 18) Vol. 16, No. 1, pp. 18-21.  
 Journal code: 9307352. ISSN: 0928-1231.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199405  
 ED Entered STN: 26 May 1994  
 Last Updated on STN: 26 May 1994  
 Entered Medline: 17 May 1994

L4 ANSWER 74 OF 127 MEDLINE on STN  
Full Text  
 AN 94091934 MEDLINE  
 DN PubMed ID: 1341858  
 TI [Production of a carp-based hamburger-like product by reducing the water activity].  
 Elaboracion de un producto tipo hamburguesa con base en carpa a traves de la reduccion de la actividad acuosa.  
 AU Santillan M; Morales L J  
 CS Instituto Nacional de la Nutricion Salvador Zubiran, Mexico, D.F.  
 SO Archivos latinoamericanos de nutricion, (1992 Jun) Vol. 42, No. 2, pp. 173-9.  
 Journal code: 0067507. ISSN: 0004-0622.  
 CY Venezuela  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA Spanish  
 FS Priority Journals  
 EM 199401  
 ED Entered STN: 9 Feb 1994  
 Last Updated on STN: 9 Feb 1994  
 Entered Medline: 25 Jan 1994

L4 ANSWER 75 OF 127 MEDLINE on STN  
Full Text  
 AN 94051962 MEDLINE  
 DN PubMed ID: 8234139  
 TI Research note: the effect of organic acids on Salmonella contamination originating from mouse fecal pellets.  
 AU Larsen G J; Rolow A M; Nelson C E  
 CS Research and Development Department, Kemin Industries, Inc., Des Moines, Iowa 50301.  
 SO Poultry science, (1993 Sep) Vol. 72, No. 9, pp. 1797-9.  
 Journal code: 0401150. ISSN: 0032-5791.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199312  
 ED Entered STN: 17 Jan 1994  
 Last Updated on STN: 17 Jan 1994  
 Entered Medline: 10 Dec 1993

L4 ANSWER 76 OF 127 MEDLINE on STN  
Full Text  
 AN 93378432 MEDLINE  
 DN PubMed ID: 8368839  
 TI Fate of enterohemorrhagic Escherichia coli O157:H7 in apple cider with and without preservatives.  
 AU Zhao T; Doyle M P; Besser R E  
 CS Center for Food Safety and Quality Enhancement, University of Georgia, Griffin 30223.  
 SO Applied and environmental microbiology, (1993 Aug) Vol. 59, No. 8, pp. 2526-30.  
 Journal code: 7605801. ISSN: 0099-2240.  
 CY United States

DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199310  
ED Entered STN: 22 Oct 1993  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 7 Oct 1993

L4 ANSWER 77 OF 127 MEDLINE on STN

Full Text

AN 93273722 MEDLINE  
DN PubMed ID: 8501056  
TI Positive regulation of phenolic catabolism in *Agrobacterium tumefaciens* by the *pcaQ* gene in response to beta-carboxy-cis,cis-muconate.  
AU Parke D  
CS Department of Biology, Yale University, New Haven, Connecticut 06511-8112.  
SO Journal of bacteriology, (1993 Jun) Vol. 175, No. 11, pp. 3529-35.  
Journal code: 2985120R. ISSN: 0021-9193.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199307  
ED Entered STN: 16 Jul 1993  
Last Updated on STN: 16 Jul 1993  
Entered Medline: 1 Jul 1993

L4 ANSWER 78 OF 127 MEDLINE on STN

Full Text

AN 93223893 MEDLINE  
DN PubMed ID: 1298645  
TI Effect of some food preservatives on aflatoxin production.  
AU Panfili G; Fabbri A A; Fanelli C; Quattrucci E  
CS Istituto Nazionale della Nutrizione, Rome, Italy.  
SO Food additives and contaminants, (1992 Sep-Oct) Vol. 9, No. 5, pp. 417-25.  
Journal code: 8500474. ISSN: 0265-203X.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199305  
ED Entered STN: 21 May 1993  
Last Updated on STN: 3 Feb 1997  
Entered Medline: 7 May 1993

L4 ANSWER 79 OF 127 MEDLINE on STN

Full Text

AN 93222011 MEDLINE  
DN PubMed ID: 8466802  
TI Effect of three preservatives on the growth of *Bacillus cereus*, Vero cytotoxigenic *Escherichia coli* and *Staphylococcus aureus*, on plates with gradients of pH and sodium chloride concentration.  
AU Thomas L V; Wimpenny J W; Davis J G  
CS School of Pure and Applied Biology, University of Wales, College of Cardiff, UK.  
SO International journal of food microbiology, (1993 Feb) Vol. 17, No. 4, pp. 289-301.  
Journal code: 8412849. ISSN: 0168-1605.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199305  
ED Entered STN: 21 May 1993  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 11 May 1993

L4 ANSWER 80 OF 127 MEDLINE on STN

Full Text

AN 93188786 MEDLINE  
DN PubMed ID: 1293501  
TI Limiting bacterial contamination of enteral nutrient solutions: 6-year

history with reduction of contamination at two institutions.

AU Fagerman K E  
 SO Nutrition in clinical practice : official publication of the American Society for Parenteral and Enteral Nutrition, (1992 Feb) Vol. 7, No. 1, pp. 31-6.  
 Journal code: 8606733. ISSN: 0884-5336.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Nursing Journals  
 EM 199304  
 ED Entered STN: 16 Apr 1993  
 Last Updated on STN: 16 Apr 1993  
 Entered Medline: 7 Apr 1993

L4 ANSWER 81 OF 127 MEDLINE on STN  
Full Text  
 AN 93149236 MEDLINE  
 DN PubMed ID: 1491710  
 TI Fungal contamination of Kashar cheese in Turkey.  
 AU Kivanc M  
 CS Biology Department, Faculty of Science and Arts, Anadolu University, Eskisehir, Turkey.  
 SO Die Nahrung, (1992) Vol. 36, No. 6, pp. 578-83.  
 Journal code: 0142530. ISSN: 0027-769X.  
 CY GERMANY: Germany, Federal Republic of  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199303  
 ED Entered STN: 12 Mar 1993  
 Last Updated on STN: 12 Mar 1993  
 Entered Medline: 2 Mar 1993

L4 ANSWER 82 OF 127 MEDLINE on STN  
Full Text  
 AN 93146934 MEDLINE  
 DN PubMed ID: 1490913  
 TI Interactive effects of solutes, potassium sorbate and incubation temperature on growth, heat resistance and tolerance to freezing of *Zygosaccharomyces rouxii*.  
 AU Golden D A; Beuchat L R  
 CS Department of Food Science and Technology, University of Georgia, Griffin 30223-1979.  
 SO The Journal of applied bacteriology, (1992 Dec) Vol. 73, No. 6, pp. 524-30.  
 Journal code: 7503050. ISSN: 0021-8847.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199303  
 ED Entered STN: 12 Mar 1993  
 Last Updated on STN: 29 Jan 1999  
 Entered Medline: 4 Mar 1993

L4 ANSWER 83 OF 127 MEDLINE on STN  
Full Text  
 AN 93101929 MEDLINE  
 DN PubMed ID: 1465573  
 TI Effects of food preservatives on growth and metabolism of plaque bacteria in vitro and in vivo.  
 AU Leikanger S; Bjertness E; Scheie A A  
 CS Department of Operative Dentistry, Dental Faculty, University of Oslo, Norway.  
 SO Scandinavian journal of dental research, (1992 Dec) Vol. 100, No. 6, pp. 371-6.  
 Journal code: 0270023. ISSN: 0029-845X.  
 CY Denmark  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Dental Journals; Priority Journals

EM 199301  
ED Entered STN: 5 Feb 1993  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 21 Jan 1993

L4 ANSWER 84 OF 127 MEDLINE on STN

Full Text

AN 93080839 MEDLINE  
DN PubMed ID: 7763344  
TI Production of cis,cis-muconic acid from benzoic acid.  
AU Yoshikawa N; Ohta K; Mizuno S; Ohkishi H  
CS Mitsubishi Kasei Corporation, Yokohama, Japan.  
SO Bioprocess technology, (1993) Vol. 16, pp. 131-47. Ref: 12  
Journal code: 8601086. ISSN: 0888-7470.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
LA English  
FS Biotechnology  
EM 199301  
ED Entered STN: 9 Aug 1995  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 7 Jan 1993

L4 ANSWER 85 OF 127 MEDLINE on STN

Full Text

AN 92386027 MEDLINE  
DN PubMed ID: 1368475  
TI Anaerobic degradation of sorbic acid by sulfate-reducing and fermenting bacteria: pentanone-2 and isopentanone-2 as byproducts.  
AU Schnell S; Wondrak C; Wahl G; Schink B  
CS Lehrstuhl Mikrobiologie I, Eberhard-Karl-Universitat, Tübingen, Germany.  
SO Biodegradation, (1991) Vol. 2, No. 1, pp. 33-41.  
Journal code: 9100834. ISSN: 0923-9820.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Biotechnology  
EM 199210  
ED Entered STN: 9 Aug 1995  
Last Updated on STN: 9 Aug 1995  
Entered Medline: 7 Oct 1992

L4 ANSWER 86 OF 127 MEDLINE on STN

Full Text

AN 92189419 MEDLINE  
DN PubMed ID: 2134144  
TI [Preparation of microbial silage from fish of underutilized species].  
Estudio sobre la elaboracion de ensilado microbiano a partir de pescado  
proveniente de especies subutilizadas.  
AU Ottati M; Gutierrez M; Bello R  
CS Instituto de Ciencia y Tecnologia de Alimentos, Facultad de Ciencias,  
Universidad Central de Venezuela, Caracas.  
SO Archivos latinoamericanos de nutricion, (1990 Sep) Vol. 40, No. 3, pp.  
408-25.  
Journal code: 0067507. ISSN: 0004-0622.  
CY Venezuela  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Spanish  
FS Priority Journals  
EM 199204  
ED Entered STN: 24 Apr 1992  
Last Updated on STN: 24 Apr 1992  
Entered Medline: 14 Apr 1992

L4 ANSWER 87 OF 127 MEDLINE on STN

Full Text

AN 92175821 MEDLINE  
DN PubMed ID: 1794853  
TI Action of sorbic acid on Staphylococcus metabolism: a microcalorimetric  
investigation.  
AU Sayeed S A; Sankaran R

CS Defence Food Research Laboratory, Mysore, India.  
 SO Indian journal of experimental biology, (1991 Jul) Vol. 29, No. 7, pp. 628-30.  
 Journal code: 0233411. ISSN: 0019-5189.  
 CY India  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199204  
 ED Entered STN: 24 Apr 1992  
 Last Updated on STN: 24 Apr 1992  
 Entered Medline: 8 Apr 1992

L4 ANSWER 88 OF 127 MEDLINE on STN

Full Text

AN 92011190 MEDLINE  
 DN PubMed ID: 1917723  
 TI Effect of chemical treatments on the micro-organisms associated with malting of sorghum grains and sorghum malt.  
 AU Ogundiwin J O; Ilori M O; Fessehatzion B; Babalola G O; Olajuyigbe A O  
 CS Department of Food Science and Technology, Obafemi Awolowo University, Nigeria.  
 SO The Journal of applied bacteriology, (1991 Aug) Vol. 71, No. 2, pp. 139-43.  
 Journal code: 7503050. ISSN: 0021-8847.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199111  
 ED Entered STN: 24 Jan 1992  
 Last Updated on STN: 29 Jan 1999  
 Entered Medline: 21 Nov 1991

L4 ANSWER 89 OF 127 MEDLINE on STN

Full Text

AN 91315548 MEDLINE  
 DN PubMed ID: 1859445  
 TI Effect of sorbic acid feeding on peroxisomes and sorboyl-CoA metabolizing enzymes in mouse liver. Selective induction of 2,4-dienoyl-CoA hydratase.  
 AU Nishimaki-Mogami T; Tanaka A; Minegishi K; Takahashi A  
 CS National Institute of Hygienic Sciences, Tokyo, Japan.  
 SO Biochemical pharmacology, (1991 Jul 5) Vol. 42, No. 2, pp. 239-46.  
 Journal code: 0101032. ISSN: 0006-2952.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199108  
 ED Entered STN: 13 Sep 1991  
 Last Updated on STN: 3 Feb 1997  
 Entered Medline: 23 Aug 1991

L4 ANSWER 90 OF 127 MEDLINE on STN

Full Text

AN 91216131 MEDLINE  
 DN PubMed ID: 2022195  
 TI Metabolism of 1,4-dinitro-2-methylpyrrole, a mutagen formed by a sorbic acid-nitrite reaction, by intestinal bacteria.  
 AU Shu Y Z; Kingston D G; Van Tassell R L; Wilkins T D  
 CS Department of Chemistry, Virginia Polytechnic Institute and State University, Blacksburg 24061-0212.  
 NC CA40821 (NCI)  
 SO Environmental and molecular mutagenesis, (1991) Vol. 17, No. 3, pp. 181-7.  
 Journal code: 8800109. ISSN: 0893-6692.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199105  
 ED Entered STN: 23 Jun 1991  
 Last Updated on STN: 3 Feb 1997

Entered Medline: 31 May 1991

L4 ANSWER 91 OF 127 MEDLINE on STN

Full Text

AN 91075407 MEDLINE

DN PubMed ID: 2256063

TI [Preservatives and dental caries. Can preservatives in food and beverages influence oral health?].

Konserveringsmiddel og dental karies. Kan konserveringsmiddel i mat- og drikkevarer ha paverka oral helse?.

AU Leikanger S; Bjertness E; Scheie A A; Eriksen H M; von der Fehr F R

CS Klinikk for konserverende tannpleie, Universitetet i Oslo.

SO Tidsskrift for den Norske laegeforening, (1990 Oct 30) Vol. 110, No. 26, pp. 3378-82.

Journal code: 0413423. ISSN: 0029-2001.

CY Norway

DT Journal; Article; (JOURNAL ARTICLE)

LA Norwegian

FS Priority Journals

EM 199101

ED Entered STN: 8 Mar 1991

Last Updated on STN: 29 Jan 1999

Entered Medline: 24 Jan 1991

L4 ANSWER 92 OF 127 MEDLINE on STN

Full Text

AN 91071483 MEDLINE

DN PubMed ID: 2253812

TI Stability of sorbic acid in intermediate moisture systems.

AU Ledward D A

CS Department of Applied Biochemistry and Food Science, University of Nottingham, Sutton Bonington, Loughborough, UK.

SO Food additives and contaminants, (1990 Sep-Oct) Vol. 7, No. 5, pp. 677-83.

Journal code: 8500474. ISSN: 0265-203X.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199101

ED Entered STN: 8 Mar 1991

Last Updated on STN: 8 Mar 1991

Entered Medline: 24 Jan 1991

L4 ANSWER 93 OF 127 MEDLINE on STN

Full Text

AN 91071481 MEDLINE

DN PubMed ID: 2253810

TI Fungal metabolites of sorbic acid.

AU Kinderlerer J L; Hatton P V

CS Food Research Centre, Sheffield City Polytechnic, UK.

SO Food additives and contaminants, (1990 Sep-Oct) Vol. 7, No. 5, pp. 657-69.

Journal code: 8500474. ISSN: 0265-203X.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199101

ED Entered STN: 8 Mar 1991

Last Updated on STN: 29 Jan 1999

Entered Medline: 24 Jan 1991

L4 ANSWER 94 OF 127 MEDLINE on STN

Full Text

AN 90380887 MEDLINE

DN PubMed ID: 3275319

TI Use of MRSD medium and the hydrophobic grid membrane filter technique to differentiate between pediococci and lactobacilli in fermented meat and starter cultures.

AU Holley R A; Millard G E

CS Food Research Centre, Agriculture Canada Ottawa, Ontario.

SO International journal of food microbiology, (1988 Oct) Vol. 7, No. 2, pp. 87-102.

Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199010  
 ED Entered STN: 22 Nov 1990  
 Last Updated on STN: 22 Nov 1990  
 Entered Medline: 26 Oct 1990

L4 ANSWER 95 OF 127 MEDLINE on STN  
Full Text  
 AN 90380858 MEDLINE  
 DN PubMed ID: 2978951  
 TI Inhibitory effects of selected Turkish spices and oregano components on some foodborne fungi.  
 AU Akgul A; Kivanc M  
 CS Ziraat Fak., TUT Bol, Erzurum, Turkey.  
 SO International journal of food microbiology, (1988 May) Vol. 6, No. 3, pp. 263-8.  
 Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199010  
 ED Entered STN: 22 Nov 1990  
 Last Updated on STN: 29 Jan 1999  
 Entered Medline: 26 Oct 1990

L4 ANSWER 96 OF 127 MEDLINE on STN  
Full Text  
 AN 90380849 MEDLINE  
 DN PubMed ID: 3275298  
 TI Influence of organic acids on heat resistance characteristics of Talaromyces flavus ascospores.  
 AU Beuchat L R  
 CS University of Georgia, Agricultural Experiment Station, Griffin 30212.  
 SO International journal of food microbiology, (1988 Mar) Vol. 6, No. 2, pp. 97-105.  
 Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199010  
 ED Entered STN: 22 Nov 1990  
 Last Updated on STN: 29 Jan 1999  
 Entered Medline: 26 Oct 1990

L4 ANSWER 97 OF 127 MEDLINE on STN  
Full Text  
 AN 90366324 MEDLINE  
 DN PubMed ID: 2641685  
 TI The response of Gluconobacter oxydans to sorbic and benzoic acids.  
 AU Eyles M J; Warth A D  
 CS CSIRO Division of Food Processing, North Ryde, New South Wales, Australia.  
 SO International journal of food microbiology, (1989 Jul) Vol. 8, No. 4, pp. 335-42.  
 Journal code: 8412849. ISSN: 0168-1605.

CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199010  
 ED Entered STN: 9 Nov 1990  
 Last Updated on STN: 29 Jan 1999  
 Entered Medline: 11 Oct 1990

L4 ANSWER 98 OF 127 MEDLINE on STN  
Full Text  
 AN 90356108 MEDLINE

DN PubMed ID: 2388689  
 TI Mould growth on black table olives and prevention by sorbic acid, methyl-eugenol and spice essential oil.  
 AU Kivanc M; Akgul A  
 CS Food Science Department, Faculty of Agriculture, Ataturk University, Erzurum, Turkey.  
 SO Die Nahrung, (1990) Vol. 34, No. 4, pp. 369-73.  
 Journal code: 0142530. ISSN: 0027-769X.  
 CY GERMANY, EAST: German Democratic Republic  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199009  
 ED Entered STN: 26 Oct 1990  
 Last Updated on STN: 29 Jan 1999  
 Entered Medline: 25 Sep 1990

L4 ANSWER 99 OF 127 MEDLINE on STN  
Full Text  
 AN 90320212 MEDLINE  
 DN PubMed ID: 2371795  
 TI Potential for the development of tolerance by Aspergillus amstelodami, A. repens and A. ruber after repeated exposure to potassium sorbate.  
 AU Vinas I; Morlans I; Sanchis V  
 CS Food Technology Department, Laboratory of Microbiology, E.T.S.I. Agronomos de Lleida, Spain.  
 SO Zentralblatt fur Mikrobiologie, (1990) Vol. 145, No. 3, pp. 187-93.  
 Journal code: 8209932. ISSN: 0232-4393.  
 CY GERMANY, WEST: Germany, Federal Republic of  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199008  
 ED Entered STN: 21 Sep 1990  
 Last Updated on STN: 21 Sep 1990  
 Entered Medline: 22 Aug 1990

L4 ANSWER 100 OF 127 MEDLINE on STN  
Full Text  
 AN 86224839 MEDLINE  
 DN PubMed ID: 3519713  
 TI The effects of sorbate on oral streptococci grown in continuous culture.  
 AU Rogers A H  
 SO Journal of dental research, (1986 Jun) Vol. 65, No. 6, pp. 895-8.  
 Journal code: 0354343. ISSN: 0022-0345.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Dental Journals; Priority Journals  
 EM 198607  
 ED Entered STN: 21 Mar 1990  
 Last Updated on STN: 21 Mar 1990  
 Entered Medline: 3 Jul 1986

L4 ANSWER 101 OF 127 MEDLINE on STN  
Full Text  
 AN 86098726 MEDLINE  
 DN PubMed ID: 4082525  
 TI [Preservation of margarine in fungicidal paper].  
 O sokhrannosti margarina v fungitsidnoi bumage.  
 AU Dediukhina V P; Lentsova L V; Samburova G N; Slipukha N I  
 SO Voprosy pitaniia, (1985 Sep-Oct) No. 5, pp. 63-5.  
 Journal code: 2984870R. ISSN: 0042-8833.  
 CY USSR  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA Russian  
 FS Priority Journals  
 EM 198602  
 ED Entered STN: 21 Mar 1990  
 Last Updated on STN: 21 Mar 1990  
 Entered Medline: 17 Feb 1986



L4 ANSWER 102 OF 127 MEDLINE on STN

Full Text

AN 86059062 MEDLINE  
DN PubMed ID: 3905741  
TI Sensitivity of *Saccharomyces cerevisiae* vegetative cells and spores to antimicrobial compounds.  
AU Romano P; Suzzi G  
SO The Journal of applied bacteriology, (1985 Oct) Vol. 59, No. 4, pp. 299-302.  
Journal code: 7503050. ISSN: 0021-8847.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198601  
ED Entered STN: 21 Mar 1990  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 21 Jan 1986

L4 ANSWER 103 OF 127 MEDLINE on STN

Full Text

AN 85272167 MEDLINE  
DN PubMed ID: 4023570  
TI [Sodium sorbate as a preservative for ready-to-eat foods].  
Sorbiniu sodu jako substancja konserwujaca produkty garmazeryjne.  
AU Wlodarczyk M  
SO Roczniki Panstwowego Zakladu Higieny, (1985) Vol. 36, No. 1, pp. 53-8.  
Journal code: 0414756. ISSN: 0035-7715.  
CY Poland  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Polish  
FS Priority Journals  
EM 198509  
ED Entered STN: 20 Mar 1990  
Last Updated on STN: 20 Mar 1990  
Entered Medline: 25 Sep 1985

L4 ANSWER 104 OF 127 MEDLINE on STN

Full Text

AN 85250404 MEDLINE  
DN PubMed ID: 4015085  
TI Inhibition by antimicrobial food additives of ochratoxin A production by *Aspergillus sulphureus* and *Penicillium viridicatum*.  
AU Tong C H; Draughon F A  
SO Applied and environmental microbiology, (1985 Jun) Vol. 49, No. 6, pp. 1407-11.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198508  
ED Entered STN: 20 Mar 1990  
Last Updated on STN: 20 Mar 1990  
Entered Medline: 5 Aug 1985

L4 ANSWER 105 OF 127 MEDLINE on STN

Full Text

AN 85242557 MEDLINE  
DN PubMed ID: 4011564  
TI Comparative effects of antifungal compounds on the nutritional value of diets containing moldy corn for broiler chicks.  
AU Bartov I  
SO Poultry science, (1985 Jun) Vol. 64, No. 6, pp. 1236-8.  
Journal code: 0401150. ISSN: 0032-5791.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198508  
ED Entered STN: 20 Mar 1990  
Last Updated on STN: 20 Mar 1990

Entered Medline: 21 Aug 1985

L4 ANSWER 106 OF 127 MEDLINE on STN

Full Text

AN 85216193 MEDLINE  
DN PubMed ID: 4001071  
TI Effects of sorbic acid feed fungistat on the intestinal microflora of floor-reared broiler chickens.  
AU Sofos J N; Fagerberg D J; Quarles C L  
SO Poultry science, (1985 May) Vol. 64, No. 5, pp. 832-40.  
Journal code: 0401150. ISSN: 0032-5791.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198507  
ED Entered STN: 20 Mar 1990  
Last Updated on STN: 20 Mar 1990  
Entered Medline: 24 Jul 1985

L4 ANSWER 107 OF 127 MEDLINE on STN

Full Text

AN 85124678 MEDLINE  
DN PubMed ID: 3971424  
TI [The effect of potassium sorbate on the growth of pathogenic and physiologic vaginal microflora in vitro].  
Vliv sorbatu draselneho na rust patogenni a fyziologicke vaginalni mikroflory in vitro.  
AU Vrana D; Hunkova Z; Balak K  
SO Ceskoslovenska gynekologie, (1985 Feb) Vol. 50, No. 1, pp. 38-41.  
Journal code: 0042671. ISSN: 0374-6852.  
CY Czechoslovakia  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Czech  
FS Priority Journals  
EM 198504  
ED Entered STN: 20 Mar 1990  
Last Updated on STN: 20 Mar 1990  
Entered Medline: 1 Apr 1985

L4 ANSWER 108 OF 127 MEDLINE on STN

Full Text

AN 85120805 MEDLINE  
DN PubMed ID: 6524914  
TI Microbial contamination of a vitamin A formulation, prepared in local pharmacies, and its preservation against yeasts and moulds.  
AU van Doorne H; Scheffers W A; Hadiutomo M; van den Bosch E.  
SO Antonie van Leeuwenhoek, (1984) Vol. 50, No. 4, pp. 405-16.  
Journal code: 0372625. ISSN: 0003-6072.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198503  
ED Entered STN: 20 Mar 1990  
Last Updated on STN: 20 Mar 1990  
Entered Medline: 14 Mar 1985

L4 ANSWER 109 OF 127 MEDLINE on STN

Full Text

AN 85030196 MEDLINE  
DN PubMed ID: 6490561  
TI A note on the effect of dilution and temperature on the bactericidal activity of potassium sorbate.  
AU Lusher P; Denyer S P; Hugo W B  
SO The Journal of applied bacteriology, (1984 Aug) Vol. 57, No. 1, pp. 179-81.  
Journal code: 7503050. ISSN: 0021-8847.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals

EM 198412  
ED Entered STN: 20 Mar 1990  
Last Updated on STN: 20 Mar 1990  
Entered Medline: 5 Dec 1984

L4 ANSWER 110 OF 127 MEDLINE on STN

Full Text

AN 83266431 MEDLINE  
DN PubMed ID: 6875066  
TI Influence of combinations of Lactobacillus lactis and potassium sorbate on growth of psychrotrophs in raw milk.  
AU Gilliland S E; Ewell H R  
SO Journal of dairy science, (1983 May) Vol. 66, No. 5, pp. 974-80.  
Journal code: 2985126R. ISSN: 0022-0302.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198309  
ED Entered STN: 19 Mar 1990  
Last Updated on STN: 19 Mar 1990  
Entered Medline: 9 Sep 1983

L4 ANSWER 111 OF 127 MEDLINE on STN

Full Text

AN 83265486 MEDLINE  
DN PubMed ID: 6409875  
TI The antimicrobial effect of dissociated and undissociated sorbic acid at different pH levels.  
AU Eklund T  
SO The Journal of applied bacteriology, (1983 Jun) Vol. 54, No. 3, pp. 383-9.  
Journal code: 7503050. ISSN: 0021-8847.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198309  
ED Entered STN: 19 Mar 1990  
Last Updated on STN: 19 Mar 1990  
Entered Medline: 20 Sep 1983

L4 ANSWER 112 OF 127 MEDLINE on STN

Full Text

AN 83188593 MEDLINE  
DN PubMed ID: 6842372  
TI Determination of antimicrobial preservatives in pharmaceutical formulations using reverse-phase liquid chromatography.  
AU Radus T P; Gyr G  
SO Journal of pharmaceutical sciences, (1983 Mar) Vol. 72, No. 3, pp. 221-4.  
Journal code: 2985195R. ISSN: 0022-3549.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals; AIDS  
EM 198306  
ED Entered STN: 18 Mar 1990  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 10 Jun 1983

L4 ANSWER 113 OF 127 MEDLINE on STN

Full Text

AN 83026359 MEDLINE  
DN PubMed ID: 6751698  
TI Nitrite, nitrite alternatives, and the control of Clostridium botulinum in cured meats.  
AU Pierson M D; Smoot L A  
SO Critical reviews in food science and nutrition, (1982) Vol. 17, No. 2, pp. 141-87. Ref: 302  
Journal code: 8914818. ISSN: 1040-8398.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)

LA English  
FS Priority Journals  
EM 198212  
ED Entered STN: 17 Mar 1990  
Last Updated on STN: 17 Mar 1990  
Entered Medline: 21 Dec 1982

L4 ANSWER 114 OF 127 MEDLINE on STN

Full Text

AN 82265396 MEDLINE  
DN PubMed ID: 7107540  
TI A bacteriostatic mixture for milk samples and its effect on  
bacteriological, cytological and chemical compositional analysis.  
AU Pettipher G L; Rodrigues U M  
SO The Journal of applied bacteriology, (1982 Apr) Vol. 52, No. 2, pp.  
259-65.  
Journal code: 7503050. ISSN: 0021-8847.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198210  
ED Entered STN: 17 Mar 1990  
Last Updated on STN: 6 Feb 1998  
Entered Medline: 21 Oct 1982

L4 ANSWER 115 OF 127 MEDLINE on STN

Full Text

AN 82105827 MEDLINE  
DN PubMed ID: 7322982  
TI Effect of five cycle rapid freeze-thaw treatment in conjunction with  
various chemicals for the reduction of Salmonella typhimurium.  
AU Olson V M; Swaminathan B; Pratt D E; Stadelman W J  
SO Poultry science, (1981 Aug) Vol. 60, No. 8, pp. 1822-6.  
Journal code: 0401150. ISSN: 0032-5791.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198203  
ED Entered STN: 17 Mar 1990  
Last Updated on STN: 17 Mar 1990  
Entered Medline: 26 Mar 1982

L4 ANSWER 116 OF 127 MEDLINE on STN

Full Text

AN 81206126 MEDLINE  
DN PubMed ID: 6972195  
TI Prevention of surface mold growth on Italian dry sausage by natamycin and  
potassium sorbate.  
AU Holley R A  
SO Applied and environmental microbiology, (1981 Feb) Vol. 41, No. 2, pp.  
422-9.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198107  
ED Entered STN: 16 Mar 1990  
Last Updated on STN: 16 Mar 1990  
Entered Medline: 9 Jul 1981

L4 ANSWER 117 OF 127 MEDLINE on STN

Full Text

AN 80264155 MEDLINE  
DN PubMed ID: 7406487  
TI Comparison of anti-Vibrio activities of potassium sorbate, sodium  
benzoate, and glycerol and sucrose esters of fatty acids.  
AU Beauchat L R  
SO Applied and environmental microbiology, (1980 Jun) Vol. 39, No. 6, pp.  
1178-82.

Journal code: 7605801. ISSN: 0099-2240.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 198010  
 ED Entered STN: 15 Mar 1990  
 Last Updated on STN: 6 Feb 1998  
 Entered Medline: 21 Oct 1980

L4 ANSWER 118 OF 127 MEDLINE on STN  
Full Text  
 AN 80173935 MEDLINE  
 DN PubMed ID: 44445  
 TI Effect of processing variables on the outgrowth of Clostridium sporogenes PA 3679 spores in comminuted meat cured with sorbic acid and sodium nitrite.  
 AU Robach M C  
 SO Applied and environmental microbiology, (1979 Nov) Vol. 38, No. 5, pp. 846-9.  
 Journal code: 7605801. ISSN: 0099-2240.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 198006  
 ED Entered STN: 15 Mar 1990  
 Last Updated on STN: 6 Feb 1995  
 Entered Medline: 25 Jun 1980

L4 ANSWER 119 OF 127 MEDLINE on STN  
Full Text  
 AN 80088524 MEDLINE  
 DN PubMed ID: 6985802  
 TI Kinetics of microbial death by combined treatment with heat and antimicrobial agents.  
 AU Tsuchido T; Shibasaki I  
 SO Biotechnology and bioengineering, (1980 Jan) Vol. 22, No. 1, pp. 107-18.  
 Journal code: 7502021. ISSN: 0006-3592.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 198003  
 ED Entered STN: 15 Mar 1990  
 Last Updated on STN: 3 Feb 1997  
 Entered Medline: 27 Mar 1980

L4 ANSWER 120 OF 127 MEDLINE on STN  
Full Text  
 AN 80018712 MEDLINE  
 DN PubMed ID: 384904  
 TI Sodium nitrite and sorbic acid effects on Clostridium botulinum spore germination and total microbial growth in chicken frankfurter emulsions during temperature abuse.  
 AU Sofos J N; Busta F F; Allen C E  
 SO Applied and environmental microbiology, (1979 Jun) Vol. 37, No. 6, pp. 1103-9.  
 Journal code: 7605801. ISSN: 0099-2240.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 197911  
 ED Entered STN: 15 Mar 1990  
 Last Updated on STN: 15 Mar 1990  
 Entered Medline: 28 Nov 1979

L4 ANSWER 121 OF 127 MEDLINE on STN  
Full Text  
 AN 80016110 MEDLINE  
 DN PubMed ID: 483865

TI [Dechlorination of 4-chlorophenol following extradiolic ring cleavage by  
Pseudomonas putida].  
Dechlorierung von 4-Chlorphenol nach extradioler Ringspaltung durch  
Pseudomonas putida.

AU Janke D; Fritsche W

SO Zeitschrift fur allgemeine Mikrobiologie, (1979) Vol. 19, No. 2, pp.  
139-41.  
Journal code: 0413631. ISSN: 0044-2208.

CY GERMANY, EAST: German Democratic Republic

DT Journal; Article; (JOURNAL ARTICLE)

LA German

FS Priority Journals

EM 197911

ED Entered STN: 15 Mar 1990  
Last Updated on STN: 15 Mar 1990  
Entered Medline: 28 Nov 1979

L4 ANSWER 122 OF 127 MEDLINE on STN

Full Text

AN 79166847 MEDLINE

DN PubMed ID: 750035

TI Effects of sorbic acid (food additive) on preservation of "Miso" (author's  
transl).

AU Kawanishi T; Suzuki A; Konuma H; Takayama S; Mizushima K

SO Eisei Shikenjo hokoku. Bulletin of National Institute of Hygienic  
Sciences, (1978) No. 96, pp. 148-55.  
Journal code: 0421152. ISSN: 0077-4715.

CY Japan

DT Journal; Article; (JOURNAL ARTICLE)

LA Japanese

FS Priority Journals

EM 197907

ED Entered STN: 15 Mar 1990  
Last Updated on STN: 6 Feb 1998  
Entered Medline: 25 Jul 1979

L4 ANSWER 123 OF 127 MEDLINE on STN

Full Text

AN 79166846 MEDLINE

DN PubMed ID: 750034

TI Effects of sorbic acid (food additive) on preservation of "Tsukudani"  
(author's transl).

AU Kawanishi T; Suzuki A; Konuma H; Takayama S; Mizushima K

SO Eisei Shikenjo hokoku. Bulletin of National Institute of Hygienic  
Sciences, (1978) No. 96, pp. 140-8.  
Journal code: 0421152. ISSN: 0077-4715.

CY Japan

DT Journal; Article; (JOURNAL ARTICLE)

LA Japanese

FS Priority Journals

EM 197907

ED Entered STN: 15 Mar 1990  
Last Updated on STN: 15 Mar 1990  
Entered Medline: 25 Jul 1979

L4 ANSWER 124 OF 127 MEDLINE on STN

Full Text

AN 79126571 MEDLINE

DN PubMed ID: 743880

TI Skin reactions to some antimicrobial agents.

AU Lahti A

SO Contact dermatitis, (1978 Oct) Vol. 4, No. 5, pp. 302-3.  
Journal code: 7604950. ISSN: 0105-1873.

CY Denmark

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 197905

ED Entered STN: 15 Mar 1990  
Last Updated on STN: 15 Mar 1990  
Entered Medline: 26 May 1979

L4 ANSWER 125 OF 127 MEDLINE on STN

Full Text

AN 79019999 MEDLINE  
DN PubMed ID: 211934  
TI System for evaluating clostridial inhibition in cured meat products.  
AU Robach M C; Ivey F J; Hickey C S  
SO Applied and environmental microbiology, (1978 Jul) Vol. 36, No. 1, pp. 210-1.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 197811  
ED Entered STN: 14 Mar 1990  
Last Updated on STN: 14 Mar 1990  
Entered Medline: 18 Nov 1978

L4 ANSWER 126 OF 127 MEDLINE on STN

Full Text

AN 77114823 MEDLINE  
DN PubMed ID: 1037096  
TI Allergy to ingredients of vehicles.  
AU Hannuksela M; Kousa M; Pirila V  
SO Contact dermatitis, (1976 Apr) Vol. 2, No. 2, pp. 105-10.  
Journal code: 7604950. ISSN: 0105-1873.  
CY Denmark  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 197704  
ED Entered STN: 13 Mar 1990  
Last Updated on STN: 13 Mar 1990  
Entered Medline: 28 Apr 1977

L4 ANSWER 127 OF 127 MEDLINE on STN

Full Text

AN 77043544 MEDLINE  
DN PubMed ID: 10844  
TI Growth and toxin production by Clostridium botulinum in moldy tomato juice.  
AU Huhtanen C N; Naghski J; Custer C S; Russell R W  
SO Applied and environmental microbiology, (1976 Nov) Vol. 32, No. 5, pp. 711-5.  
Journal code: 7605801. ISSN: 0099-2240.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 197701  
ED Entered STN: 13 Mar 1990  
Last Updated on STN: 29 Jan 1999  
Entered Medline: 3 Jan 1977

=> d an ti au so ab kwic 104 11 119 123 124

L4 ANSWER 104 OF 127 MEDLINE on STN

Full Text

AN 85250404 MEDLINE  
TI Inhibition by antimicrobial food additives of ochratoxin A production by Aspergillus sulphureus and Penicillium viridicatum.  
AU Tong C H; Draughon F A  
SO Applied and environmental microbiology, (1985 Jun) Vol. 49, No. 6, pp. 1407-11.  
Journal code: 7605801. ISSN: 0099-2240.  
AB The effects of antimicrobial food additives on growth and ochratoxin A production by Aspergillus sulphureus NRRL 4077 and Penicillium viridicatum NRRL 3711 were investigated. At pH 4.5, growth and toxin production by both A. sulphureus and P. viridicatum were completely inhibited by 0.02% potassium sorbate, 0.067% methyl paraben, 0.0667% methyl paraben, and 0.2% sodium propionate. At pH 5.5, 0.134% potassium sorbate and 0.067% methyl

paraben completely inhibited growth and ochratoxin A production by both fungi. Sodium bisulfite at 0.1%, the maximum level tested, was found to inhibit growth of *A. sulphureus* and *P. viridicatum* by 45 and 89%, respectively. Toxin production was inhibited by 97 and 99%, respectively. Sodium propionate (0.64%) at pH 5.5 inhibited growth of *A. sulphureus* and *P. viridicatum* by 76 and 90%, respectively. Toxin production was inhibited by greater than 99% for each fungus. Antimicrobial agents were ranked as to effectiveness by comparing the level required for complete inhibition of ochratoxin A production to the highest antimicrobial agent level normally used in food. At pH 4.5, the most effective inhibitor of growth and toxin production was potassium sorbate, followed by sodium propionate, methyl paraben, and sodium bisulfite, respectively, for both fungi. However, at pH 5.5, the most effective antimicrobial agents for inhibiting ochratoxin production were methyl paraben and potassium sorbate, followed by sodium propionate. Sodium bisulfite was not highly inhibitory to these toxigenic fungi at the higher pH value tested.

- TI Inhibition by antimicrobial food additives of ochratoxin A production by *Aspergillus sulphureus* and *Penicillium viridicatum*.
- AB The effects of antimicrobial food additives on growth and ochratoxin A production by *Aspergillus sulphureus* NRRL 4077 and *Penicillium viridicatum* NRRL 3711 were investigated. . . . *sulphureus* and *P. viridicatum* by 76 and 90%, respectively. Toxin production was inhibited by greater than 99% for each fungus. Antimicrobial agents were ranked as to effectiveness by comparing the level required for complete inhibition of ochratoxin A production to the highest antimicrobial agent level normally used in food. At pH 4.5, the most effective inhibitor of growth and toxin production was potassium. . . . followed by sodium propionate, methyl paraben, and sodium bisulfite, respectively, for both fungi. However, at pH 5.5, the most effective antimicrobial agents for inhibiting ochratoxin production were methyl paraben and potassium sorbate, followed by sodium propionate. Sodium bisulfite was not highly. . . .
- CT \**Aspergillus*: DE, drug effects  
*Aspergillus*: ME, metabolism  
 \*Food Microbiology  
 \*Food Preservatives: PD, pharmacology  
 \*Ochratoxins: BI, biosynthesis  
 Parabens: PD, pharmacology  
 \**Penicillium*: DE, drug effects  
*Penicillium*: ME, metabolism  
 Propionates: PD, . . . .
- RN 110-44-1 (Sorbic Acid); 303-47-9 (ochratoxin A); 7631-90-5 (sodium bisulfite); 99-76-3 (methylparaben)

L4 ANSWER 11 OF 127 MEDLINE on STN

# Full Text

- AN 2005086548 MEDLINE
- TI Microbial content of commercial South African high-moisture dried fruits.
- AU Witthuhn R C; Engelbrecht S; Joubert E; Britz T J
- SO Journal of applied microbiology, (2005) Vol. 98, No. 3, pp. 722-6.  
 Journal code: 9706280. ISSN: 1364-5072.
- AB AIM: The aim was to evaluate commercially available South African high-moisture dried fruits (HMDF) for the microbial, moisture and SO2 contents, as well as aw and pH. METHODS AND RESULTS: The microbial content of commercially available HMDF was evaluated using nine different growth media. The moisture content, aw) SO2 and pH of each product were determined using standard analytical methods. It was found that the highest total aerobic counts were generated from high-moisture dried (HMD) prunes and raisins. The most frequent spoilers were members of the genus *Bacillus*. Fungal counts were also very high in the apricot products, exceeding the limit of 1000 CFU g(-1) as set by HMDF producers. Members of the genus *Staphylococcus* were found in the HMD raisins and *Salmonella* and thermophilic organisms were isolated from the HMD prunes. CONCLUSIONS: The microbial levels of South African HMDF were within the limits set, with the exception of apricots. SIGNIFICANCE AND IMPACT OF STUDY: The study shows the presence of *Salmonella*, *Staphylococcus* and *Clostridium* in South African HMDF. The presence of thermophilic organisms indicated that the current pasteurization process is not adequate and that the addition of preservatives would be an additional method to ensure safety and quality.
- TI Microbial content of commercial South African high-moisture dried fruits.
- AB AIM: The aim was to evaluate commercially available South African



high-moisture dried fruits (HMDF) for the microbial, moisture and SO<sub>2</sub> contents, as well as aw and pH. METHODS AND RESULTS: The microbial content of commercially available HMDF was evaluated using nine different growth media. The moisture content, aw) SO<sub>2</sub> and pH of. . . Staphylococcus were found in the HMD raisins and Salmonella and thermophilic organisms were isolated from the HMD prunes. CONCLUSIONS: The microbial levels of South African HMDF were within the limits set, with the exception of apricots. SIGNIFICANCE AND IMPACT OF STUDY: . . .

CT Bacillus: IP, isolation & purification  
 \*Bacteria: IP, isolation & purification  
 Clostridium: IP, isolation & purification  
 \*Food Contamination  
 \*Food Microbiology  
 \*Food Preservation  
 \*Fruit  
 \*Fungi: IP, isolation & purification  
 Hydrogen-Ion Concentration  
 Research Support, Non-U.S. Gov't  
 Salmonella: IP, isolation & purification

RN 110-44-1 (Sorbic Acid); 7446-09-5 (Sulfur Dioxide)

L4 ANSWER 119 OF 127 MEDLINE on STN

Full Text

AN 80088524 MEDLINE  
 TI Kinetics of microbial death by combined treatment with heat and antimicrobial agents.  
 AU Tsuchido T; Shibasaki I  
 SO Biotechnology and bioengineering, (1980 Jan) Vol. 22, No. 1, pp. 107-18. Journal code: 7502021. ISSN: 0006-3592.  
 TI Kinetics of microbial death by combined treatment with heat and antimicrobial agents.  
 RN 110-44-1 (Sorbic Acid)

L4 ANSWER 123 OF 127 MEDLINE on STN

Full Text

AN 79166846 MEDLINE  
 TI Effects of sorbic acid (food additive) on preservation of "Tsukudani" (author's transl).  
 AU Kawanishi T; Suzuki A; Konuma H; Takayama S; Mizushima K  
 SO Eisei Shikenjo hokoku. Bulletin of National Institute of Hygienic Sciences, (1978) No. 96, pp. 140-8. Journal code: 0421152. ISSN: 0077-4715.  
 CT English Abstract  
 Evaluation Studies  
 \*Fatty Acids, Unsaturated  
 \*Fish Products  
 Food Microbiology  
 \*Food Preservation  
 \*Food Preservatives  
 Japan  
 \*Sorbic Acid  
 RN 110-44-1 (Sorbic Acid)

L4 ANSWER 124 OF 127 MEDLINE on STN

Full Text

AN 79126571 MEDLINE  
 TI Skin reactions to some antimicrobial agents.  
 AU Lahti A  
 SO Contact dermatitis, (1978 Oct) Vol. 4, No. 5, pp. 302-3. Journal code: 7604950. ISSN: 0105-1873.  
 TI Skin reactions to some antimicrobial agents.  
 RN 110-44-1 (Sorbic Acid)

=> file uspatall  
 COST IN U.S. DOLLARS  
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
24.69	33.15

FILE 'USPATFULL' ENTERED AT 20:59:18 ON 23 FEB 2007  
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FILE 'USPAT2' ENTERED AT 20:59:18 ON 23 FEB 2007  
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 20:53:20 ON 23 FEB 2007)

FILE 'REGISTRY' ENTERED AT 20:53:32 ON 23 FEB 2007

L1 E SORBIC ACID/CN  
1 S E3  
E IODOPROPYNYL BUTYL CARBAMATE/CN  
E IODOPROPYNYLBUTYL CARBAMATE/CN

FILE 'MEDLINE' ENTERED AT 20:55:15 ON 23 FEB 2007

L2 571 S L1  
L3 600950 S (BACTERICID? OR ANTIBACTER? OR ANTIMICRO? OR MICROB?)  
L4 127 S L2 AND L3

FILE 'USPATFULL, USPAT2' ENTERED AT 20:59:18 ON 23 FEB 2007

=> s l1

L5 969 L1

=> s sorbic acid

L6 23043 SORBIC ACID

=> s (biocide or bacterici? or antibacter? or antimicro? or micro?)

L7 1725556 (BIOCIDE OR BACTERICI? OR ANTIBACTER? OR ANTIMICRO? OR MICRO?)

=> s l5 and l7

L8 766 L5 AND L7

=> s l6 and l7

L9 20316 L6 AND L7

=> s sorbic acid/clm

L10 1159 SORBIC ACID/CLM

=> s (biocide or bacterici? or antibacter? or antimicro? or micro?)/clm

L11 353063 (BIOCIDE OR BACTERICI? OR ANTIBACTER? OR ANTIMICRO? OR MICRO?)/C  
LM

=> s l10 and l11

L12 424 L10 AND L11

=> s (preservative? or food preservative)

L13 128165 (PRESERVATIVE? OR FOOD PRESERVATIVE)

=> s (preservative? or food preservative)/clm

L14 9537 (PRESERVATIVE? OR FOOD PRESERVATIVE)/CLM

=> s l10 and l14

L15 344 L10 AND L14

=> d 340-344

L15 ANSWER 340 OF 344 USPAT2 on STN

Full Text

AN 2002:16594 USPAT2  
TI Water soluble, broad spectrum preservative system  
IN Aust, Duncan, East Setauket, NY, United States  
Spiegelman, Stephen, late of Westbury, NY, United States deceasedby  
Harriet Spiegelman, administrator  
Ross, Michael, East Setauket, NY, United States  
PA The Collaborative Group, Ltd., East Setauket, NY, United States (U.S.  
corporation)  
PI US 6447793 B2 20020910  
AI US 1999-396949 19990915 (9)  
PRAI US 1998-100541P 19980916 (60)  
DT Utility  
FS GRANTED

LN.CNT 459  
 INCL INCLM: 424/405.000  
 INCLS: 424/401.000; 514/844.000; 252/380.000  
 NCL NCLM: 424/405.000  
 NCLS: 252/380.000; 424/401.000; 514/844.000  
 IC [7]  
 ICM A01N025-00  
 ICS A61K007-00; C09K003-00  
 IPCI A61K0006-00 [ICM,7]; C09K0003-00 [ICS,7]; A61K0007-00 [ICS,7];  
 A01N0025-00 [ICS,7]  
 IPCI-2 A01N0025-00 [ICM,7]; A61K0007-00 [ICS,7]; C09K0003-00 [ICS,7]  
 IPCR A01N0039-00 [I,C\*]; A01N0039-00 [I,A]; A61K0008-30 [I,C\*];  
 A61K0008-34 [I,A]; A61K0008-36 [I,A]; A61K0008-368 [I,A];  
 A61Q0005-00 [I,C\*]; A61Q0005-00 [I,A]; A61Q0005-02 [I,C\*];  
 A61Q0005-02 [I,A]; A61Q0005-12 [I,C\*]; A61Q0005-12 [I,A];  
 A61Q0017-00 [I,C\*]; A61Q0017-00 [I,A]; A61Q0019-00 [I,C\*];  
 A61Q0019-00 [I,A]  
 EXF 424/401; 424/405; 514/844; 252/380

L15 ANSWER 341 OF 344 USPAT2 on STN

Full Text

AN 2001:237532 USPAT2  
 TI Ambient stable beverage  
 IN Blyth, Marian, Bedford, UNITED KINGDOM  
 Kanu, Aminata Yanda, Bath, UNITED KINGDOM  
 Kirby, Roy Michael, Bedford, UNITED KINGDOM  
 Stratford, Malcolm, Bedford, UNITED KINGDOM  
 PA Lipton, division of Conopco, Inc., Englewood Cliffs, NJ, United States  
 (U.S. corporation)  
 PI US 6761919 B2 20040713  
 AI US 2001-854877 20010514 (9)  
 PRAI GB 2000-11676 20000515  
 DT Utility  
 FS GRANTED  
 LN.CNT 838  
 INCL INCLM: 426/330.300  
 INCLS: 426/597.000; 426/331.000; 426/650.000; 426/654.000  
 NCL NCLM: 426/330.300; 426/599.000  
 NCLS: 426/331.000; 426/597.000; 426/650.000; 426/654.000  
 IC [7]  
 ICM A23F003-00  
 ICS A23L002-44; A23L002-38  
 IPCI A23L0002-00 [ICM,7]  
 IPCI-2 A23F0003-00 [ICM,7]; A23L0002-44 [ICS,7]; A23L0002-42 [ICS,7,C\*];  
 A23L0002-38 [ICS,7]  
 IPCR A23F0003-00 [I,C\*]; A23F0003-16 [I,A]; A23L0002-42 [I,C\*];  
 A23L0002-44 [I,A]; A23L0002-52 [I,C\*]; A23L0002-68 [I,A]  
 EXF 426/330.3; 426/335; 426/597; 426/331; 426/654; 426/650; 426/538  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 342 OF 344 USPAT2 on STN

Full Text

AN 2001:218489 USPAT2  
 TI Acidic antimicrobial compositions for treating food and food contact  
 surfaces and methods of use thereof  
 IN Roselle, Brian Joseph, Fairfield, OH, United States  
 Tollens, Fernando Ray, Indian Hill, OH, United States  
 Rollins, David Kent, Cincinnati, OH, United States  
 Jervier, Gregory Leo, Cincinnati, OH, United States  
 Delgado, Rodolfo, Cincinnati, OH, United States  
 PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.  
 corporation)  
 PI US 6867233 B2 20050315  
 AI US 2001-794679 20010227 (9)  
 PRAI US 2000-185676P 20000228 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 1308  
 INCL INCLM: 514/557.000  
 INCLS: 514/568.000; 514/574.000; 514/561.000  
 NCL NCLM: 514/557.000; 514/160.000  
 NCLS: 514/561.000; 514/568.000; 514/574.000; 422/028.000

IC [7]  
 ICM A01N037-00  
 ICS A01N037-44; A61K031-195  
 IPCI A01N0037-36 [ICM,7]; A01N0037-10 [ICS,7]  
 IPCI-2 A01N0037-00 [ICM,7]; A01N0037-44 [ICS,7]; A61K0031-195 [ICS,7];  
 A61K0031-185 [ICS,7,C\*]  
 IPCR A01N0025-12 [I,C\*]; A01N0025-12 [I,A]; A01N0037-36 [I,C\*];  
 A01N0037-36 [I,A]; A23B0004-12 [I,C\*]; A23B0004-12 [I,A];  
 A23B0007-10 [I,C\*]; A23B0007-10 [I,A]; A23L0003-3463 [I,C\*];  
 A23L0003-3508 [I,A]; A23L0003-3526 [I,A]  
 EXF 514/557; 514/568; 514/574; 514/561; 514/160  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 343 OF 344 USPAT2 on STN

Full Text

AN 2001:218051 USPAT2  
 TI Antimicrobial composition for food and beverage products  
 IN Bunger, John Robert, Hebron, KY, United States  
 Ekanayake, Athula, Cincinnati, OH, United States  
 PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S.  
 corporation)  
 PI US 6376005 B2 20020423  
 AI US 1999-291888 19990414 (9)  
 RLI Division of Ser. No. US 1997-843088, filed on 25 Apr 1997, now patented,  
 Pat. No. US 6132787  
 DT Utility  
 FS GRANTED  
 LN.CNT 709  
 INCL INCLM: 426/597.000  
 INCLS: 426/330.300  
 NCL NCLM: 426/597.000; 426/335.000  
 NCLS: 426/330.300  
 IC [7]  
 ICM A23F003-00  
 ICS A23L002-44  
 IPCI A23L0002-38 [ICM,7]  
 IPCI-2 A23F0003-00 [ICM,7]; A23L0002-44 [ICS,7]; A23L0002-42 [ICS,7,C\*]  
 IPCR A23C0009-152 [I,C\*]; A23C0009-154 [I,A]; A23C0009-158 [I,A];  
 A23L0002-42 [I,C\*]; A23L0002-44 [I,A]; A23L0003-3463 [I,C\*];  
 A23L0003-3463 [I,A]; A23L0003-3499 [I,A]; A23L0003-3508 [I,A]  
 EXF 426/335; 426/422; 426/435; 426/648; 426/655; 426/597; 426/330.3; 426/590  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 344 OF 344 USPAT2 on STN

Full Text

AN 2001:144954 USPAT2  
 TI Extended shelf life ricotta cheese blends and process for preparing  
 IN Borwankar, Christine, Addison, IL, United States  
 Kelly-Harris, Sandra Elaine, Hazel Crest, IL, United States  
 Brenton, Bennett Lee, Mundelein, IL, United States  
 Li, John Yen Hown, Chicago, IL, United States  
 PA Kraft Foods, Inc., Northfield, IL, United States (U.S. corporation)  
 PI US 6475545 B2 20021105  
 AI US 1999-303003 19990430 (9)  
 DT Utility  
 FS GRANTED  
 LN.CNT 495  
 INCL INCLM: 426/334.000  
 INCLS: 426/582.000  
 NCL NCLM: 426/334.000  
 NCLS: 426/582.000; 426/036.000  
 IC [7]  
 ICM A23C019-068  
 ICS A23C019-076; A23C019-08  
 IPCI A23C0019-08 [ICM,7]; A23C0019-00 [ICM,7,C\*]  
 IPCI-2 A23C0019-068 [ICM,7]; A23C0019-076 [ICS,7]; A23C0019-08 [ICS,7];  
 A23C0019-00 [ICS,7,C\*]  
 IPCR A23C0019-00 [I,C\*]; A23C0019-068 [I,A]; A23C0019-08 [I,A]  
 EXF 426/334; 426/582; 426/36; 426/580

=> d an ti pi kwic 343

L15 ANSWER 343 OF 344 USPAT2 on STN

Full Text

AN 2001:218051 USPAT2

TI Antimicrobial composition for food and beverage products

PI US 6376005 B2 20020423

CLM What is claimed is:

. . . to about 150 ppm of a dialkyl dicarbonate (c) from about 30 ppm to about 300 ppm of a sorbate **preservative**; (d) tea; and (e) water.

. . . to about 100 ppm of a dialkyl dicarbonate; (c) from about 50 ppm to about 150 ppm of a sorbate **preservative**.

5. The composition of claim 4 wherein the sorbate **preservative** is selected from the group consisting of **sorbic acid**, calcium sorbate, sodium sorbate, potassium sorbate, and mixtures thereof.

6. The composition of claim 5 wherein the sorbate **preservative** is potassium sorbate.

. . . to about 100 ppm of a dialkyl dicarbonate; and (c) from about 50 to about 150 ppm of a sorbate **preservative**.

=> file merck

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
22.21	55.36

FULL ESTIMATED COST

FILE 'MRCK' ENTERED AT 21:05:27 ON 23 FEB 2007

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FILE 'REGISTRY' ENTERED AT 20:53:32 ON 23 FEB 2007

E SORBIC ACID/CN

L1 1 S E3

E IODOPROPYNYL BUTYL CARBAMATE/CN

E IODOPROPYNYLBUTYL CARBAMATE/CN

FILE 'MEDLINE' ENTERED AT 20:55:15 ON 23 FEB 2007

L2 571 S L1

L3 600950 S (BACTERICID? OR ANTIBACTER? OR ANTIMICRO? OR MICROB?)

L4 127 S L2 AND L3

FILE 'USPATFULL, USPAT2' ENTERED AT 20:59:18 ON 23 FEB 2007

L5 969 S L1

L6 23043 S SORBIC ACID

L7 1725556 S (BIOCIDE OR BACTERICI? OR ANTIBACTER? OR ANTIMICRO? OR MICRO?

L8 766 S L5 AND L7

L9 20316 S L6 AND L7

L10 1159 S SORBIC ACID/CLM

L11 353063 S (BIOCIDE OR BACTERICI? OR ANTIBACTER? OR ANTIMICRO? OR MICRO?

L12 424 S L10 AND L11

L13 128165 S (PRESERVATIVE? OR FOOD PRESERVATIVE)

L14 9537 S (PRESERVATIVE? OR FOOD PRESERVATIVE)/CLM

L15 344 S L10 AND L14

FILE 'MRCK' ENTERED AT 21:05:27 ON 23 FEB 2007

=> s l1

L16 1 L1

=> d

L16 ANSWER 1 OF 1 MRCK COPYRIGHT (C) 2007 Merck and Co., Inc.,  
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MERCK Number (MNO): 8793  
CAS Registry No. (RN): 110-44-1  
MERCK Index Name (MIN): Sorbic Acid  
Molecular Form. (MF): C6 H8 O2  
Lin. Str. Form. (LSF): C H3 C H,C H C H,C H C O O H  
Wgt Composition (COMP): C 64.27%, H 7.19%, O 28.54%.  
Molecular Weight (MW): 112.13

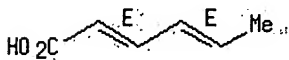
Double bond geometry as shown.



=> d all

L16 ANSWER 1 OF 1 MRCK COPYRIGHT (C) 2007 Merck and Co., Inc.,  
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MERCK Number (MNO): 8793  
CAS Registry No. (RN): 110-44-1  
MERCK Index Name (MIN): Sorbic Acid  
CA Index Name (CN): (2E,4E)-2,4-Hexadienoic acid  
Synonym(s) (CN): 2-propenylacrylic acid  
Molecular Form. (MF): C6 H8 O2  
Lin. Str. Form. (LSF): C H3 C H,C H C H,C H C O O H  
Wgt Composition (COMP): C 64.27%, H 7.19%, O 28.54%.  
Molecular Weight (MW): 112.13  
References (RE): May be obtained from berries of the mountain ash, *Sorbus aucuparia* L., Rosaceae where it occurs as the lactone, called parasorbic acid: Hofmann, Ann. 110, 129 (1859). Synthesis by condensing crotonaldehyde and malonic acid in pyridine soln: Doebner, Ber. 33, 2140 (1900); Allen, Van Allan, Org. Synth. coll. vol. III, 783 (1955); by condensing crotonaldehyde and ketene in the presence of boron trifluoride: Hagemeyer, Jr., Ind. Eng. Chem. 41, 768 (1949). Prepn from 1,1,3,5-tetraalkoxyhexane: Parker, MacLean, US 2921090 (1960 to Celanese). Additional syntheses: Fernholz, Mundlos, DE 1049852; US 3021365 (1959, 1962 both to Hoechst). Prepn of sodium salt: Horn, Fernholz, DE 1045390 (1958 to Hoechst); of calcium salt: C. M. Gooding, US 3139378 (1964 to Corn Products Co.). Purification: Fernholz, DE 1044803 (1958 to Hoechst). The trans,trans-isomer is usually obtained and is the commercial product. Toxicity study: Smyth, Carpenter, J. Ind. Hyg. Toxicol. 30, 63 (1948).

Double bond geometry as shown.



Boiling Point (BP):

Value	Note
BP	
deg C	
=====	
228	(dec)

Melting Point (MP):

Value
MP
deg C
=====
134.5

Toxicity (TOX):

LD50 orally in rats: 7.36 g/kg (Smyth, Carpenter).

Other Properties (OCPP):

Needles from water, mp 134.5° . Should be stored at temps below

40°. bp 228° (dec) . Vapor pressure at 20° <0.01

mm, at 143° 50 mm. Flash pt 260°F (127°C). pK

(25°) = 4.76. Soly in water at 30° 0.25%, at 100°

3.8%, in propylene glycol at 20° 5.5%, in abs ethanol or methanol

12.90%, in 20% ethanol 0.29%, in glacial acetic acid 11.5%, in acetone

9.2%, in benzene 2.3%, in carbon tetrachloride 1.3%, in cyclohexane 0.28%,

in dioxane 11.0%, in glycerol 0.31%, in isopropanol 8.4%, in isopropyl

ether 2.7%, in methyl acetate 6.1%, in toluene 1.9%. LD50 orally in

rats: 7.36 g/kg (Smyth, Carpenter) .

Application (APP):

Mold and yeast inhibitor. Fungistatic agent for foods, especially

cheeses. To improve the characteristics of drying oils. In alkyd type

coatings to improve gloss. To improve milling characteristics of cold

rubber. See also Potassium Sorbate.

Referenced Patent (RPN):

US2921090; DE1049852; US3021365; DE1045390; US3139378; DE1044803

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.93

60.29

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